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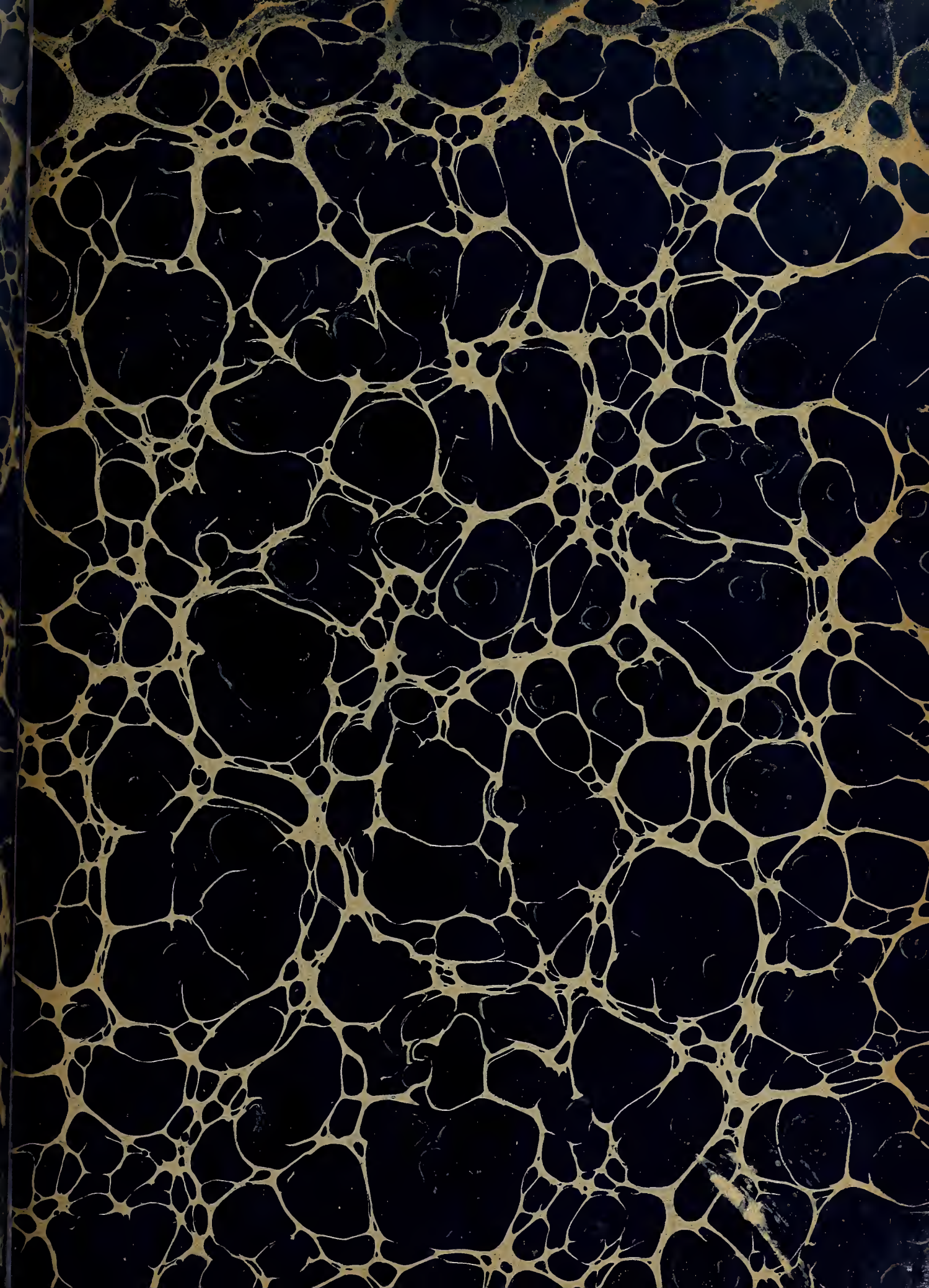
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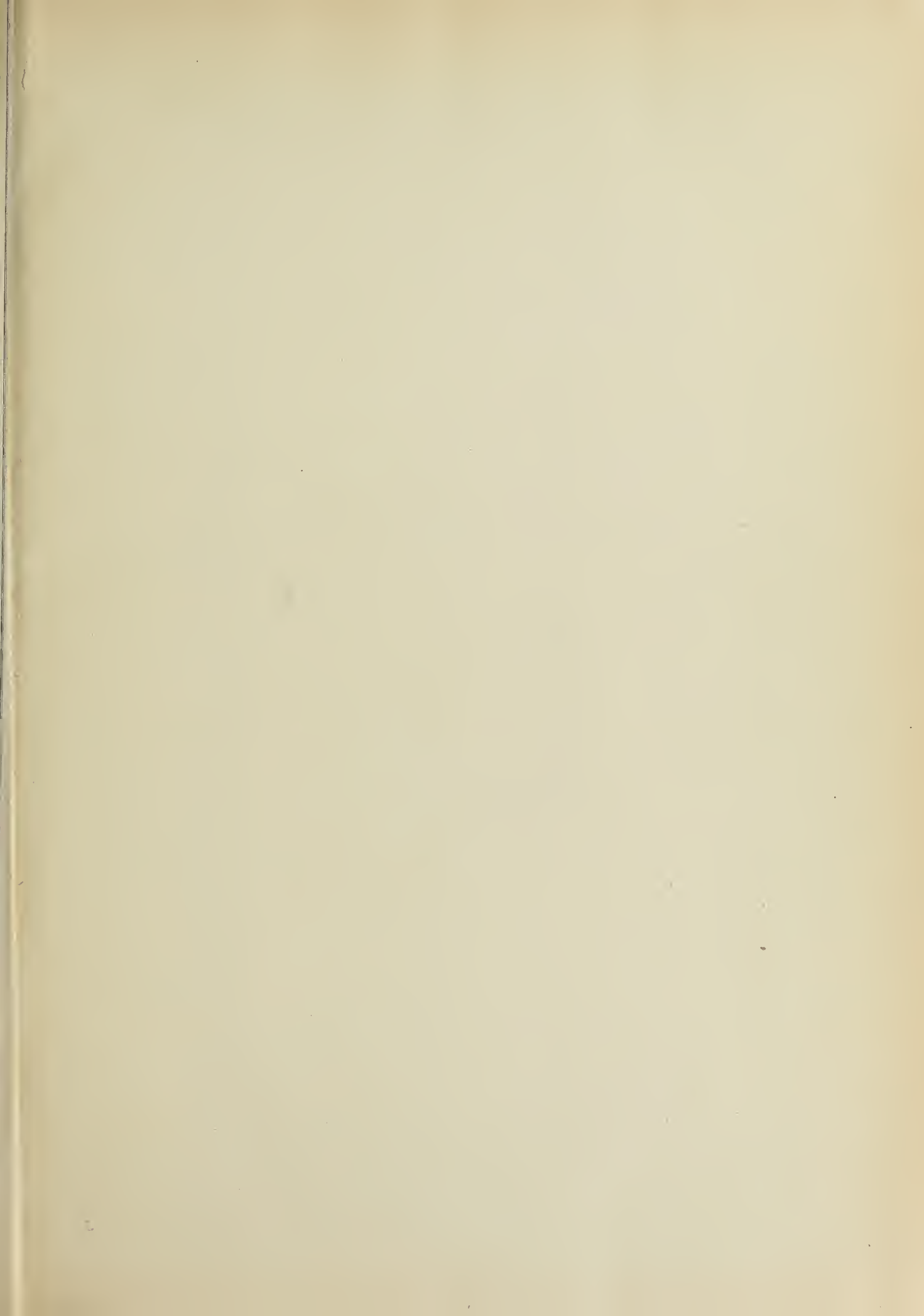
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JUNE

THE INDUSTRIOUS HEN

An Illustrated Monthly for
POULTRY
LIVE STOCK and the **FARM**



Published by the
INDUSTRIOUS HEN CO.
Knoxville, Tenn.

Annual Summer Reduction Sale.

As has been my custom for a number of years after June 1st to sell out my THIS SEASON'S BREEDERS, I am now offering some rare bargains in

Silver, Golden and White Wyandottes

including some high class yearling hens, pullets and male birds of exceptionally strong breeding points; in this sale goes some high scoring exhibition birds that will win in hot company, and for those desiring "Fall Fair Winners" here is your chance to get the

Strongest Blood Lines on Earth

at just ONE HALF their real value. I will sell these single, in pairs, trios or pens, or in large lots as desired. Get my prices and save money on high class birds.

Jones the Wyandotte Man

has the goods and has proven beyond a doubt that they are "The Gladiators," having won at all the leading shows of the country. EGGS HALF PRICE REMAINDER OF SEASON \$1.50 per setting.

55 High class Collie Puppies to sell.

R. E. JONES, The Pines,

R. F. D. No. 10

Paducah, Ky.



"See that Lacing on Breast and Body."

A JONES WINNER.

Boswell's Acme White Wyandottes

THE STRAIN WITH A REPUTATION

Bred in Every State in the Union, and Recognized as the Best by those who know **WHAT'S WHAT** in **WHITE WYANDOTTES**

I have not up to this time advertised in the Southern Journals, but am going to see how game Southern Poultrymen are at buying my fine birds and eggs—which for many years have commanded discriminating patronage in the North and East.

EGGS FROM "BANG-UP" STOCK: I will sell you Eggs from birds scoring 95, 95½ and 98 points (all scores won in

the show-room, and not yard-judged), bred in line for many years for points. Price,

Fifteen Dollars per Setting

EGGS FROM UTILITY MATING: The ACME Layers have been trap-nest-bred for thirteen years. Hens and cocks first-class in color and shape, and of better exhibition quality than the average flock, though in breeding for egg production, points must in some degree be sacrificed. Price,

Three Dollars per Setting

Lots of fine Utility Pullets and Cockerels for Sale at \$3 to \$5 Each
Exhibition Birds a Matter of Correspondence

JOHN W. BOSWELL, JR.

(The Man Whose Name Means Quality) **EAST NASHVILLE, TENN.**

"SHAW" WHITE ROCKS

Make clean sweep of all firsts and specials at Kentucky State Show, winning \$50.00 Silver Cup for best display, \$25.00 Cup for best Cock, Hen, Cockerel and Pullet, and \$10.00 gold for highest scoring pen in show (score 192 points). **RECORD SCORE FOR WHITE ROCKS.**

At Tennessee State Show, 1906, all ribbons but two; winning the handsome White Rock Club Specials for best cock, hen, cockerel, pullet and pen. These winnings are a repetition of our former records at Chicago, Indianapolis, Illinois State Shows and elsewhere, and prove that "Shaw" White Rocks are without a peer. Judge Hewes says: "The Best Strain of White Rocks in U. S." Judge Russell: "The Best White Rocks I Ever Handled." Matings better this season than ever. Eggs \$5 and \$3 per 15. Good breeding pens, cockerel and 6 pullets, \$15 up. Write for what you want.

Wabash Poultry Farm,

R. F. D. No. 3,

PALESTINE, ILL.



THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 3

Knoxville, Tenn., June, 1906

(Whole No. 25)

No. 1

EMPHASIZING PROF. RICE'S ADDRESS

WRITTEN FOR THE INDUSTRIOUS HEN BY HON. REESE V. HICKS.

WHILE many of your readers heard Prof. J. E. Rice, of Cornell University, at the East Tennessee Farmers Convention, yet, I want to give my impression of his magnificent lecture to your entire clientage. Prof. Rice is the foremost poultry expert in America, if not in the world, and his say so is authority on poultry topics. Just remember that when I give you the facts about the South as he views them.

Prof. Rice opened his lecture by saying that the poultrymen of East Tennessee lived in the very Eden for poultry culture, and didn't know it. This was his first visit so far South and he was simply astonished at the great advantages

of this favored section, and no doubt he was equally astonished that our people take so little advantage of our great opportunities. Prof. Rice spoke at some length and stated that our conditions were a revelation to him as he had no idea that the South could produce poultry so cheaply and with such little trouble. One of the great advantages that impressed him was the fact that by taking advantage of our mild winters, the Southern poultryman can virtually have nice green pasture for his hens the year around. The very low price of building and feeding materials was a great advantage over our Northern brethren, but the most important thing was the fact that on a great majority of the days of the aver-



A Pair of Angora Goats Raised near Knoxville.


JUN 16 1906

age winter the hens of this section can be allowed out in the open air and thus they get vitality. Again, our springs open early and the hens under any conditions get out on the ground much earlier than farther North. Prof. Rice stated that there was no way to get and keep vitality except by giving the hens plenty of fresh air and that there had never yet been found a way to get fertile eggs except to allow the hens out in the air and on the ground where they could get green picking. He impressed the importance of these items and the great advantage of the Southern in this respect. He said the Southern poultrymen were neglecting a great opportunity in not taking advantage of these facts and supplying fertility and vitality to their Northern brethren. Just think of that will you? A Southern poultryman actually sending something

good back across the border. Prof. Rice is right too. We could, if we would, make a thriving trade sending early laid eggs back North and we hope some poultrymen will get ashamed of themselves and rise up to the occasion and go out after the business. Prof. Rice, after these preliminary remarks, dealt at length with the subject of poultry raising and discussed the topic in an able manner. His remarks were given the very closest attention by the farmers, as well as the poultrymen, present. But I only asked space to emphasize the vantage points of this section as Prof. Rice pointed them out. I must say that I with hundreds of other readers of your journal hope you will have Prof. Rice embody the substance of his lecture in a series of articles for our benefit.

McCULLOUGH'S POULTRY POINTERS

WRITTEN FOR THE INDUSTRIOUS HEN BY PLUMMER McCULLOUGH

 HIS month I will give a little talk on "Advertising." I intended to write on care of the breeding birds, but will let that go till next month. Now, advertising is in some ways a rather queer way of doing business, but it is a very business-like way.

As the poultry business is carried on mostly through the mails we must in some way let people know what we have for sale. The fancy part of the poultry business at least can be termed a mail order business. If a man takes up the breeding of fancy poultry expecting to sell all his surplus stock to his neighbors at a good round price, I want to say right here that nine times out of ten you will be sorely disappointed. I have tried this, but my would-be orders never came. I thought a few years ago I would not bother advertising, but would sell my eggs "cheap," and sell them to neighbors and farmers. I told everybody I saw I had "eggs for hatching" from a good general flock for which I asked only 50 cents per setting. I also had some choice pens mated for exhibition purposes, from which I "offered" eggs at \$1.00 per setting. I just "offered" eggs from this pen, as I never sold one. From the other pen I sold eight settings at 50 cents per setting, and was badly insulted several times by "ignorant" people offering me 25 cents per setting.

Now these eggs were worth four times what I asked for them, and if I had advertised them in some good reliable paper like THE INDUSTRIOUS HEN, I could have sold more eggs at a larger price, but I thought like many people today, that it would be money thrown away; but I can honestly say now that "it pays to advertise." If you don't advertise how can you let people know you have anything to sell? If people don't know you have anything to sell how can you expect them to buy from you? If people won't buy from you how can you expect to make money from fancy poultry? If you cannot make any money from your fowls what do you keep them for? "If you have an article worth buying, it is worth advertising." If your stuff is not good enough to advertise, it is not good enough to buy. I well remember that I once had a fine Barred Rock pullet that I desired one to "match" her. (This was before I ever advertised.) I wrote to a leading breeder who bred the strain I had, and he was the originator of the strain. I described the pullet to a T, sent him sample feathers from different parts of body and asked for a price on such a female. In reply, he wanted \$15.00 for a pullet that he said would match mine as near as possible, etc. Now this man knew the value of a good bird and he knew how to get it out of it, too. He advertised extensively. Now if his pullet was worth \$15.00 so was mine, as she was of the same strain and the same breeding; but I could not have gotten \$2.00 for my pullet around home. This is one example of what advertising will do.

I remember at another time I had a buggy for sale and I had been trying to get my neighbors to buy it for months, but they did not want it. So at last I decided to advertise it in our county paper. The ad. contained about a dozen words and cost me 15 cents for one week. The paper was published on Friday, and on Saturday I got a card from one man regarding the rig, and on Monday I sold the buggy to a different fellow. Now you see what that ad. did. If I had not advertised that buggy I would still have had it. I am not a heavy advertiser by any means. If I had the money I would do four times as much advertising as I do at present. If you have a few head of surplus stock for sale put a small ad. in THE INDUSTRIOUS HEN and you will soon sell them. You may have the best stock obtainable, but if nobody but yourself knows it you may just as well have dunghills as far as making a sale is concerned.

My first ad. in THE INDUSTRIOUS HEN was published in September. Before the October number was out I had sold \$10.00 worth of stock from this ad. I have done equally as well since, and I can cheerfully recommend THE HEN as an advertising medium. I have advertised in poultry papers for twelve months and never got an inquiry, and in other cases I get results the first month. Although I have got excellent results from some other papers, I have had the best results (cost and circulation considered) from THE INDUSTRIOUS HEN than from any other paper I ever used. It is not necessary to put in a full page ad. to start with. Of course if you can spare the money you should use as large space as possible, but every sale I ever made was made from a breeder's card ad.

Of course I know there are a great many men who sell hundreds of birds to my one, but I don't claim to be "the largest breeder in the world." I believe in good goods in small packages. Now another thing I want to say is this. A great many people will advertise in a paper and perhaps get lots of inquiries about stock, but they fail to make any sales. My friend, if you get an inquiry and your terms fail to suit the would-be purchaser, I want to say this is no fault of the paper. After the paper has brought the inquiries it has done its part and it is "up to you."

It is better to use small space the year round than to use large space for two or three months. When you use space continually people get used to your name and think you are in the business for keeps. Don't price your stock too high. A moderate price is enough. Every spring when you are offering eggs for hatching you should write to all your old customers to let them know you are still interested in their welfare. Tell them what you have to sell and you will usually hear from them. Try and please every one of your customers, even if you do lose yourself. Remember a satisfied customer is the best advertisement.

SEASONABLE SUGGESTIONS

WRITTEN FOR THE INDUSTRIOUS HEN BY F. S. BULLINGTON

HIS is the time of the year that people all over the country become afflicted with the poultry fever. Some of them have had a little experience, perhaps, others have had none, and it is this class who think all that is necessary to make a success of poultry breeding is to pick up a few stray and perhaps worthless fowls, turn them loose in a yard, feed them most anything that comes handy, pay no attention to the lice getting hold of them, etc., and then collect a large percentage of eggs each evening. Can any one expect success from anything unless they give it close attention, supply its needs and wants and aim after some definite undertaking? My advise to any one expecting to make or have any success with poultry, whether a dozen or a thousand head is to proceed cautiously and keep everlastingly at work. Give the fowls good, wholesome grain, such as wheat, cracked corn, kaffir corn, millet, hulled oats, etc., supply clean, fresh water daily and provide grit in some form to aid in the digestion. Good comfortable houses can be built cheaply and it won't pay to let the fowls roost in any old place.

Any one starting should consider the question of pure bred fowls fully. Do not purchase mongrel or scrub stock of mixed breeding, nothing can be gained by so doing, the best is none too good. Purchase some breed that suits your fancy, but let them be pure bred; they will present a better and more pleasing appearance all being alike; they will lay better and are more hardy. If for home use only you can buy utility stock very cheap. If you desire extra quality for breeding purposes, buy a good trio or pen mated by some one who knows how, and pay a fair price for them. Twenty-five dollars could not be put to better use than in a pen of good, pure bred poultry of some established breed. You would get better results from a pen of this priced bird than you would from a cheaper one. A breeder that gives his whole thoughts, attention, time, worry and money to the upbuilding of the fowls, that he or she breeds can not well afford to sell his stock for

a mere song. There are many, however, that prefer to buy eggs from some reliable breeder and raise their fowls. This is a very cheap way to get a start and I advocate it to many though I do not advise waiting too long before writing for eggs. Many breeders sometimes book egg orders for weeks ahead, and many are disappointed by waiting too late before placing their order. I, myself, had, recently, to return an order of \$15.00 for 100 eggs owing to party wanting eggs on a certain date and waiting until the last moment before sending order in, though they wrote for circulars, in plenty of time to have had order booked. Here's one thing I think all breeders and fanciers of pure bred poultry should notice carefully. Whenever you write a breeder for either prices or circulars and he sends them to you, you should not fail to drop them a line, stating the favor or circulars had been received; its really due the sender and saves them many times an extra circular and postage if you do not care to purchase at the time you receive the letter or circulars, or should you order elsewhere, state so, if even on a postal.

This also comes to me from a little experience I had some time back at one of the shows. I met a party there who had written me for circulars and prices and to whom I promptly replied but received no reply. The party in question, I found out, really wanted to buy some of my stock; for some reason, the letter and circulars I had mailed did not reach them. Now if you write to some breeder and do not receive an early reply, drop them a card again after a reasonable time, so that the breeder can forward circulars again. Then again when you do write for prices or circulars never fail to see that the name and address is mentioned in your communication. I have received two favors within the past ten days, neither of which was signed. One of these was postmarked Meridian, Miss., and one Pawtucket, R. I., and I can just imagine what the writers of these favors think of me for not answering, much as I would like to do so.

THE HANDLING OF POULTRY FOR PROFIT

WRITTEN FOR THE INDUSTRIOUS HEN BY S. S. KREGER

THE handling of poultry for profit depends entirely upon the class of stock kept, the way in which they are cared for and the intelligent marketing of the products. It is a business that requires careful attention to details. You should therefore keep in mind a well defined plan of the work and pursue the same in a business-like manner.

Select the breed best suited for the purpose you have in view. If eggs are to be the main object you will make no mistake in choosing the Brown or White Leghorns, as they approach near to perfection as egg producers. If you want general purpose fowls select the Plymouth Rocks or Wyandottes. They possess many good qualities that are difficult to improve upon by the average breeder.

Use nothing but pure bred fowls for breeders and keep only one breed. The mind concentrated upon one breed, and time, money and space devoted to the same will achieve better results than when several breeds are kept. Use economy in building your poultry houses, but consider the comfort of the fowls and the convenience of the attendant. Whether you use the continuous houses with small lots attached, or build colony houses, have the buildings systematically arranged, in order to save time and labor in caring for the fowls. Locate the buildings on well-drained land and when possible fronting south. Much of the front side is best left practically open,

covered only with wire netting and with cloth curtains framed and hinged at top, to be used only in severe weather. The north or back side and the ends of the buildings should be made practically air-tight. Houses built on this plan will insure good ventilation, which is highly necessary to the health and vigor of the fowls. Have scratching place for each flock, and to economize space, the floor of the roosting and laying room can be used nicely for this purpose. Keep the floor covered with litter and feed the whole grain in this.

Use droppings board under roosts, which should run full length of house at back side. Keep board dusted with acid phosphate and remove droppings often and save the mixture for fertilizer. Supply the fowls with a dusting box and keep before them all the time plenty of fresh water, oyster shell and sharp grit. A liberal supply of green food is important.

Feed a properly balanced ration and feed regularly. Study the needs of your birds and supply them, and thereby increase your profits. Adopt improved methods in artificial incubation and brooding. Breed both for usefulness and beauty. Furnish high class products and find a high class market for them. Inform yourself by subscribing for the leading poultry journals. Include among them THE INDUSTRIOUS HEN, as it is high class and deals with our interests and conditions in the South. Advertise your business.

THE EAST TENNESSEE FARMERS CONVENTION

NOTHING succeeds like success and the Convention was a success. It was the most notable held in the state for many years and as the 34th it gave evidence of having been well nurtured. The soil was fertile and the fertility had been maintained, even increased, for there were more enthusiastic farmers in attendance than ever before and the speakers were in fine mettle.

To no one is more credit due than to Hon. W. W. Ogilvie and the convention but voiced the sentiment of the general public when they passed the resolution asking that no matter who should hold the helm as governor of the state he be retained to guide the destinies of the Agricultural Department. Then in Professor Morgan, the Director of the Experimental Farm, Mr. Ogilvie had a lieutenant who was, and is, an untiring worker for the good of the farmer and who bent his every energy to the making of the meeting a pronounced success. It was accomplished and every visitor was pleased. The Southern Railway and the Louisville & Nashville both did all in their power to get the farmers here. They gave them free transportation and helped them to get away from home and back again. They evidenced by their works that they were in hearty sympathy with the movement and with the best interests of the state. The Experiment Farm was easy of access and the farmers were urged to go over the grounds and see what was being done and there was ever ready some member of the force to tell what was being done.

As a poultryman and the editor of this journal, as well as the poultryman to the Experiment Station, my own interest and that of the vast number of visiting poultrymen centered in Professor Rice, of Cornell University, who came to talk to us on poultry. On Friday morning at the appointed hour the poultrymen, hundreds in number, were all before the gentleman from beyond our borders, and ready to accord him a cordial welcome and to drink in his words of wisdom. Professor Rice's reputation had preceded him and all were expectant of something worth while and they were not disappointed. In forceful words he impressed upon them the fact of the wonderful possibilities that lie before the poultrymen of this section and urged them to take full advantage of them.

His clear cut interpretation of the laws that govern reproduction were fully appreciated by the immense audience. Among other things the professor said:

"Poultry should all be of one breed. A man can not get good results from mixed breeds. Get up systematic organizations and press the advantage of your hen products and possibilities and in a short while East Tennessee eggs will top the markets in the east. I don't know what is the best breed of fowls. Take the one you love best, just as you chose your wife and stick to your first love. The Leghorn is perhaps the best egg-producing hen. The Barred Plymouth Rock or the Wyandotte, I consider, the best for table flesh use, but don't cross the breeds along any line for any purpose.

"If you cross a Brown Leghorn and a White Leghorn you lessen their vitality. That vitality is largely an individual one. Stronger vitality is what you want above every thing else. A weakling chick is a dead loss as long as it lives.

"Above all things give your hens fresh air. They need it just as human beings do. Apply your own personal experiences to the hen so far as fresh air is concerned. Never have glass windows in your henneries for you hens will suffer for want of fresh air. Put in cloth windows by all means.

"Hens should be fed a variety of foods. They prefer to live on hard grains. A dry mash is perhaps as good as a wet mash. Feed your hens hard grain twice a day, corn and barley. If you feed all corn you lose money. Feed meat largely. They need it for carbon. Alfalfa is splendid for hens, for egg-production especially. Hens need lime for shell making. Charcoal will not take the place of lime. Mortar is splendid for hens as they get lime out of it. Hens do not like blood-meal. They like cotton seed meal after they have been educated to it."

It is not possible to give to the readers of this journal any adequate idea of the value of this address but I hope to give them, through the columns of THE HEN, Prof' Rice's impressions of East Tennessee and her possibilities in poultry.

The Convention is over and those in attendance are back at their accustomed work, but the good seed sown will bring forth much fruit in the future.

WORK FOR THE COMMITTEE OF FOURTEEN

IT seems that the boys down in Dixie are going to cut out the work for that committee so far as the South is concerned. Read the following from J. S. Gwin, of Lexington, Miss.: "I am a Southerner and believe firmly that there is a bright future in store for the poultrymen of the South, but I believe that we should affiliate with the A. P. A. and work as one fraternity. I see no need for sectionalism. By uniting we can serve the end for which we are all working. We should demand our rights, and if we are strongly enough represented we will get them."

Next comes a letter from H. C. Austin, of Johnson City, a veteran of the Civil War, a wearer of the gray, a man who has handled poultry for years, and who years ago desired a Southern association. Read what he says: "The plan I suggested some years ago was to organize a Southern Poultry Association, letting each State have a State association besides the local associations. The locals were to elect delegates to the State association and the State associations to elect delegates to the Southern. Then came the idea of an Eastern and a Western association, and then the United Poultry Association of America, this to be made up of delegates from the division associations. This association to be kept up by a percentage of the dues from the membership and by revenue

to be derived from the sale of the Standard. If this plan can be worked in connection with the A. P. A. and made satisfactory, well and good; if not, give me a Southern Poultry Association all the time. I am for it and for Southern judges."

These letters will be followed by quite a number in the July HEN, and I hope to get the general trend of the thoughts that are in the minds of the many Southern breeders and as many suggestions as may be made of value in the work that lies before me as a member of that committee. Don't hesitate to express your views fully and freely, for it is only by an exchange of views that we can expect to arrive at the best form for the masses.

"In this morning's paper," remarked the new boarder, "I noticed an advertisement about 'a good cotton duck.' Now, what's a cotton duck?"

"Give it up," replied Starboard. "If it was an Indian rubber chicken Mrs. Starvem might tell us something about it."

Bagley—Now, I always believe in giving the devil his due—
Ascum—His dew? How is it possible? Do you really believe there is any humidity there?

CHERRY GROVE POULTRY YARDS

KNOXVILLE, TENNESSEE



I refused \$100 for Hal IV October 28, 1904; and \$150 for Hal IV June 4, 1905. This bird is the sire of 14 prize winners.

Mr. E. E. Carter, the proprietor of the Cherry Grove Poultry Yards, began breeding Brown Leghorns in 1886 for pleasure and followed it up until 1897 when he became an advertiser in the leading poultry journals. During these years he has shipped stock and eggs to almost every state and territory in the Union. He has been active in the poultry world for some years, being one of the organizers of the East Tennessee Poultry Association, and a member of its executive committee. He is the Vice-President for Tennessee of the Southern Poultry Association and was unanimously elected President of the American Brown Leghorn Club at the meeting of the club held in Cleveland, Ohio, February 1st, 1906. As the President of that club he is offering a handsome silver cup, value \$25, to the member of the club securing the greatest number of new members to the club. The only restriction being that at least ten members must be secured to allowed one to compete for the cup. The club itself is offering one handsome silver cup to each state having a membership of ten to be competed for by members only, the honorary Vice-President to designate the show. Mr. Carter will have pleasure in sending circulars, application blanks, etc., to those who are interested.

It is interesting to note the winnings of this gentleman, who has been termed by some of his friends "the Brown Leghorn King." These winnings include the World's Fair, St. Louis, Mo.; Atlanta, Ga.; Charlotte, N. C.; Huntsville, Ala.; Charleston, S. C.; Raleigh, N. C.; Macon, Ga.; Warsaw, Ky.;

Nashville and Knoxville, Tenn. Fifteen shows in seven different states and under ten different judges with a winning of 200 regular and special prizes certainly stamps the worth of his birds.

He was one of the first advertisers in THE INDUSTRIOUS HEN and has kept with her on the business principal that she has paid him. Any one who has any dealings with Mr. Carter will find that he is always ready to do what is right and that he makes no pretensions to doing more than he can. A gentleman of the highest type he deals squarely with each one. You will be benefited by writing him for his circular.

If you are ever in Knoxville and have any interest in the finest of Brown Leghorns if you will take a Broadway car going north and tell the conductor to put you off at Carter's, you will surely fall into good hands. Affable and always ready to show his yards and birds, he will soon pilot you out among the cherry trees and then you will be first of all impressed with the compactness of his arrangements and the convenience of the entire plant. Mr. Carter does the work himself as a recreation from the confining duties of his other business and he has arranged everything so that the fewest number of steps will cover the business. Standing just at his porch door you look away to a model two-story building, well built and painted. The lower portion of this building is divided into pens and the discerning eye can tell that those pens have been mated by an expert—this for cockerels—that for pullets and so on and on they go. The upper story is used for conditioning birds and for storage purposes (at a future date we shall have a view of that house).

Mr. Carter's feeding methods are his own, but he uses nothing but the soundest and best of the grains, with cut bone, meat, etc. In short the dry method. In rearing his young stock he gets the best of results by sending the youngsters to the country that they may have free range and thus grow with that vitality so essential in good breeders.

A visit to Mr. Carter's will not only prove interesting, but educational as well, however if you can not visit him it will be his pleasure to write you fully at any time in regard to his birds.



The President's Cup. Offered by E. E. Carter to the Member Securing the Largest Number of Members to the American S. C. B. I. Club.

A VISIT TO THE FORBES POULTRY FARM



Mrs. Florence Forbes, owner of the Forbes Poultry Yards, New Decatur, Ala., and one of her winning Brown Leghorns.

One of the most progressive and at the same time modest of those who are engaged in rearing fine poultry in the South is Mrs. Florence Forbes, of New Decatur, Ala. It was my privilege to be her guest and to see her plant and to handle many of her chickens. Mrs. Forbes is a thorough poultry woman and believes that the best are none too good and that nothing will be accomplished by the use of inferior stock. The result is that her yards are full of fine specimens, many of them winners of first prizes in the leading southern shows. Her yards are ample and are full of shade and are kept in the scrupulously clean condition that only a woman knows how to keep things. The houses are built on the colony type and are ample for the number of birds kept in each house,

while the runs are large, thus giving the chickens ample space for exercise. It was a real pleasure to see the rich color of her brown leghorns and to note that they were typical in shape. One of the halftones shows the pen that carries the ten highest scoring birds at the Montgomery show and from this pen she has many youngsters that will be hard to beat this fall. Then there were white leghorns that showed



A Pen of Winning Brown Leghorns, Forbes Poultry Yards, New Decatur, Ala.

the result of careful breeding, having as many of them did many prizes to their credit. To know the character of these birds you have only to look at the picture of the leading cockerel and he is the sire of many that are hastening on for the fall fairs; and then came the White Wyandottes from the best blood lines known to poultrymen and they were pure white in plumage and fine in shape and size. And the B. P. Rocks are of the best strain known and will not be overlooked when the judges begin to hunt up the good birds at the shows. Mrs. Forbes is an adept at fitting her fowls for the shows and with the experience she has had and the conscientiousness with which she fills her orders she has that best of all advertising—pleased customers. Her home is an ideal southern one where the most lavish hospitality is accorded her guests. Her one thought is to feel that her guests are made to feel at home and when they are chicken cranks they are given every opportunity to see her equipment and are told freely her methods of doing things and given the results of her years of experience. This writer has always held that a woman was the best fitted for the poultry business and in Mrs. Forbes is exemplified



Residence Mrs. Florence Forbes, of Forbes Poultry Yards, New Decatur, Ala.



A Bird's Eye View of Some of the Pens at Forbes Poultry Yards, New Decatur, Ala.

this assertion, for which a real love for her fowls and at the same time good business judgment she has made and is destined to make a great success of her business. I use the word business advisedly for she had the right conception of the work and knows that it is a business as well as selling goes and building factories. I was desirous of knowing what the secret of her success was and it did not take me long to learn when I saw with mine own eyes how she cared for the youngsters and how faithfully she saw that every comfort was given them. And then that other great secret was that she always gave value received to her patrons. There are no better birds than she has and no one who will do more to make you satisfied with what you purchase. I learned that her egg trade had been good as well as the demand for fine breeding stock and that she was taxed to keep up with the work and was determined to have plenty of stock to fill orders this fall.

In the matter of feeding Mrs. Forbes early learned that a proper selection of food stuffs was essential to the proper growth of the youngsters, as well as the old stock. It is true



Among the Brooders at Forbes Poultry Yards, New Decatur, Ala.

that some prefer to mix their own feeds but Mrs. Forbes has found a good well-balanced ration in the COMO HEN FEED and COMO CHICK FEED, manufactured by the Como Mills Co., East St. Louis, Ill., and sold at a fair price. She has used these feeds for a long time with splendid success. She says: "The Como Hen Feed will promote development and also produce a maximum egg yield, while the Chick Feed is a promoter of growth and the health of the little chicks. I heartily recommend both these feeds to my customers, poultry raisers and fanciers in general." Such is her estimate of the feeds, and she speaks from experience.

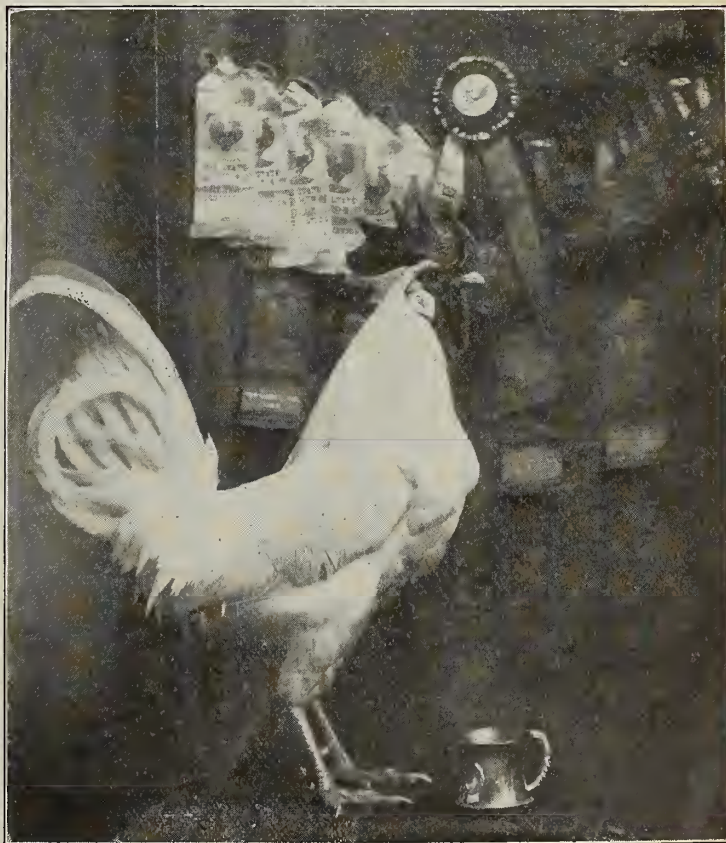
Mrs. Forbes has been fortunate in her selection of breeds, more so than many others. Believing that the Leghorns were the great egg producers and admiring the curves of beauty that are so happily blended in this breed she began her work. First she felt that "the best was none too good" and sparing neither time, patience, nor money, she procured her foundation stock in both Brown and White Leghorns from the best strains known. By careful selection and proper feeding and care she developed many prize winners in these very popular birds. She did not think it essential to destroy the productiveness of her birds in order to produce that beauty of plumage and lordly carriage that is essential to the winning in the show room. She worked for both "beauty and business." Her egg basket tells how well the business end was developed and her show record vindicates the beauty and standard requirements in the Leghorns she produces. Her success with these demonstrates that the two qualities of usefulness and of beauty can be successfully combined.

Her success with the Leghorns led her to add first the White Wyandotte and then the Barred Plymouth Rocks to her varieties. The Wyandotte with its clear white plumage,



Where the White Wyandottes Thrive at Forbes Poultry Yards, New Decatur, Ala.

its handsome head and compact body and its known qualities as a winter egg producer was attractive and with the same care that was used in her selection of the Leghorns she laid the foundation of her flock. The requirements of the Standard have not been ignored and the flock that now graces her yards and lawn is a decided improvement on its ancestry, showing conclusively what proper care in culling and intelligence in mating can and will accomplish. The Rocks are the best that money can buy and are barred, not mottled. It is strange that so many fail to see the perfect (almost) barring that can be and is produced by a proper mating of this grand breed. It is not what it was when this writer knew it twenty-five years ago, but it is as far ahead of that quarter century old type as is the mild-eyed Jersey from the old "cow with the crumpled horn." In these selections Mrs. Forbes has been fortunate and in the system with which she carries out every detail of her work lies her success. Poultrymen will always find it pleasant to visit the Forbes Poultry yards at New Decatur, Ala., and in its owner will find a hostess who has no hesitancy in telling the secrets of her success.



First Prize White Leghorn Cockerel, Montgomery, Ala., Show, December, 1905. Bred and owned by Forbes Poultry Yards, New Decatur, Ala.



DEVOTED TO EVERY INTEREST OF THE

Poultryman, Live Stock Breeder and Small Farmer

Entered at the Knoxville Postoffice as second-class matter.

J. HOWARD SLEDD**Editor**

ADDRESS ALL CORRESPONDENCE TO

The Industrious Hen Company

617 GAY STREET, KNOXVILLE, TENN.

Vol. 3

JUNE, 1906

No. 1

THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to the Poultry industry, Live Stock breeding and intensive farming. Contributions that are practical and pithy are solicited.

WATCH THE DATE

On your paper and note the expiration of your subscription. Unless renewed before the time is out paper will be discontinued.

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Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest Poultry journal in the United States to advertise in. Advertisements, to insure insertions in the issue of any month, should reach this office not later than the 25th of the month preceding.

BREEDERS' PLAIN CARDS will be run at the rate of one cent per word each insertion. Numbers and initials count as words. No card taken for less than 25 cents.

THE INDUSTRIOUS HEN reserves the right to reject any advertisement for cause.

Many of our readers will remember some articles that have appeared in these columns from the pen of J. J. Miller, Jr. It is peculiarly sad to be forced to say that he will not again send a message to the poultrymen. He was a bright boy of only 13 years and a devoted poultryman. By the accidental discharge of a gun he was almost instantly killed. To his bereaved father and his comrades we extend our sympathy in this hour of trial and anguish.

* * * *

We must have them. We ask every reader of THE INDUSTRIOUS HEN on reading this number to resolve to send us at least one new subscriber. With the assistance of every one of our readers we can have an army of poultrymen in the South that can accomplish anything. Napoleon, alone could never have crossed the Alps, nor won the battle of Austerlitz. It was his men who gave him success on more than an hundred battlefields. Let us have the united help of every poultryman in the South and our fight will be a successful one.

* * * *

You can not tell the quality of a flower by its beauty neither can you get the value of a hen as an egg producer by the color of her feathers. This is not saying that you can not have a handsome fowl—a winner if you please—and at the same time have a great egg producer; nor is it inimical to the interests of poultrymen and fanciers, to urge them to put the egg laying qualities in their fowls as well as the beautiful plumage. I plead for a combi-

nation of the two and believe that there are hosts of breeders who have accomplished this end. They have not done so in a year nor in two but by a persistent and careful selection of the best, both as to color and egg production. It behooves the fancier to study his egg record as well as the coloring of his birds. Those who are doing this are coming rapidly to the front and they realize the value of a record for eggs as well as show points.

* * * *

With this the initial number of the third volume of THE INDUSTRIOUS HEN some changes have been deemed necessary in order that each issue may reach our many readers promptly. Our presses are not of sufficient capacity to get our immense editions out on time and while we do not sacrifice the length of our columns yet by cutting our margins a little closer we are enabled to print 16 pages where heretofore we have been able to print only eight. I feel sure that our readers will fully appreciate this effort on our part to get the paper to them promptly.

* * * *

I have never appealed to the host of advertisers and subscribers that are members of the HEN's great family for promptness but I feel that you should know that the neglect on your part to be prompt in your remittances make the road I have to travel more difficult. No one appreciates the good words that come to him more than do I, yet, I would be better pleased if you would be prompt in crossing my palm. The old adage that "money makes the mare go" might be changed to "money makes the HEN cackle." Do not sit down and wait for a statement of your account. You know what the amount is and its prompt remittance will do my heart good and make you feel better, for you will see that you are helping to build the HEN. You have fed her well in the past, though some have not been prompt in their remittances, and I expect you to feed her well in the future. I only ask that you be more regular in the feeding. Nearly, if not all have had their statements up to and including May. You have had a good egg trade and I trust you will now let the HEN have some of the golden grain that she may feel that she is not forgotten. Send on the ready.

* * * *

I have been very much surprised at the names that have come to me as the judges of the many shows to be held in this Southland the coming season. This surprise grows out of the fact that in all my rounds last season I heard it said everywhere that the South had as good chickens and as good judges as there were anywhere in the world, and that there was no need to send out of our own territory for either. This was made specially emphatic in relation to the judges, yet I have seen and heard of but few Southern men having engagements to judge the shows of the South. I do not blame the brother from over the border. He has before him a pleasant trip into our sunny land and can see for himself that we are as good folks as live. It is his prerogative, as it is that of every man, to go where he chooses and to do as he pleases so long as he does not infringe on the rights of his fellow man. I do not account it infringing on the rights of any one for him to come into our midst; and no one will do more than myself to show him what Southern hospitality means. I do lodge complaint against those who have been so vehement in their denunciation of those who employed a judge from out of the South and who made so bold as to assert that no man but a Southerner should be employed by Southern shows. I lodge this complaint on the ground of inconsistency. My files are full of letters that say, give it to them straight from the shoulder, and yet, these same writers have been so short-sighted as to forget what they wrote and said one short season ago. I do not doubt the ability of any of the gentlemen who have been employed to come among us, and I have written this that I may say to those who have

relegated their own men to a second place that they should look no more to these men for council, and should remember that to smile in your face and stab you in the back is not the part of true men. I am not a sectionalist but I am a partisan. I am fully persuaded in my own mind that there should be in every man a just pride in his section and in the men that make the section, and any thing that even savors of a turning down of those in our midst, some way, seems "to rub the fur the wrong way."

* * * *

Tennessee State Fair.

1906.

The Editor of this paper has been designated as the poultry judge at the Tennessee State Fair to be held in Nashville October 8th-13th,

* * *

I wonder how many poultrymen keep any record on account of their flocks. I wonder if any of them could tell you

Keeping a Record.

the cost, to them, of producing a setting of eggs or of rearing a chick to maturity. It is rather a

hap-hazard kind of business to buy feed and take no account of the cost and then have no idea what the relative value of the eggs produced is. If it cost 25 cents a dozen to produce them and you sell at market prices you will soon be wrecked financially. Keep an account with your hens and see where you stand. Not only so but have a record of all your transactions with your fowls basing everything on the same business principals that govern your other commercial transactions. I hope to mail to every poultryman in Tennessee at an early date a set of questions that will bring the keeping of a record very forcibly before his mind and will at the same time give me data that will be of interest to every poultryman. If you are not now keeping a record begin at once to do so. Begin with the growing chicks and be ready to say from the record—not from guess work—that they cost you so much and you will know then what you can afford to sell them at.

* * * *

I know it is said that we are but the creatures of circumstance—that everything depends on the accidents of our

What We Need.

surroundings and predominating influences. This is true in the case of many

of our poultrymen and applies with equal force to thousands of men everywhere. Men permit themselves to be cast in whatever mould a capricious fortune may suggest. But those who thus surrender themselves to circumstances and do nothing and attempt nothing that they do not favor dishonor themselves, and any success they may achieve will most likely prove as transient as the influence of which it was born. The need of Southern poultrydom is for men and women of a different type. We need those who will assert and maintain their independence—those, who if need be, will brave public opinion and feeling and despite inauspicious influences will stand fast or in their teeth press forward in the path of duty. Time serving is contemptible and self-seeking is despicable and both alike are dangerous to the best interests of the fraternity. We need men who can forget themselves sometimes; men who can be actuated by unselfish motives; who can conceive of other interests than their own; who, whatever may become of themselves, can and will be true to the best interests of the fraternity.

* * * *

Two years ago the initial number of THE INDUSTRIOUS HEN made her appearance and there were those who predicted that there would never be but the one

Our Third Volume.

issue, while still others thought that perhaps she might bide awhile and then go the way of

so many journals that had sprung up in a night and disappeared as the dew before the sun. The two years that have passed have been marked by hard work and a steady growth. THE HEN almost from the first has had the hearty support of the poultrymen of the South and under their generous treatment she has lived and grown and it is no idle boast to say

that she has before her many years of usefulness. I have had the pleasure of meeting and knowing in person a vast army of poultrymen throughout the country and have found that they are men and women who are ready to give their support to an enterprise that is working for the good of the cause. I have tried to make THE HEN of value, and through the kindness of those who have contributed to her columns I am persuaded that I can find more than one issue which alone has been worth the subscription price to the subscriber. The editorial policy has been my own and will continue to be. That there is a great work to do and that it requires a policy of decision and one that is not changed by every shifting breeze of popular sentiment all will admit. I conceived in the initial number the thought that such was the case and have tried to strictly adhere to that policy—a plea for more and better poultry on every farm in the land. This shall continue to be my work and the many little incidental things coming up in relation to the various phases of the work will be treated from my own view point and not from that of another. In a word THE HEN's editorial columns are distinctly and emphatically under my control and will express my individual opinions and not the reflected opinions of any person or set of persons. Independent, yet just. As to the views expressed by my various correspondents I hold myself in no way responsible for them. Each man has a divine right to his opinion and the expression of the same. If by publishing views of one man that are not in accord with those of another I shall be able to bring the truth to light, I will have accomplished some good. Asking a continuation of the very generous support that has been accorded THE HEN and saying simply that I shall do the best I can to build the industry to what it by every right should be, I am—The Editor.

* * * *

In a recent communication from an intimate friend in relation to the work of the Committee of 14, who have the

Number 14. task of reconstructing the A. P. A. constitution, he said this writer had "the hardest task of any man on the committee." Was he right? I sometimes think so and for the reason that it has been, is, and apparently always will be a difficult task to get the Southern poultrymen to agree on any specific thing. Each one seems to have his own pet theory and his own idea as to what should be done for the advancement of the cause and is loth to give way. It is, I suppose, the old forensic spirit; but it should give place to modern progressiveness and the spirit of co-operation that is abroad in the land. This committee has a great work to do and it has evidenced its willingness to hear the cause of the South, though there are but few members of the A. P. A. in the South, and as a representative I hope to be able to give to that committee a succinct statement of the needs of Southern poultrymen. I am sometimes sure that I know what they need even when I feel that I do not know what they want. I know they need unification—even among themselves. It is a sad commentary on human nature that there are so many that will place self before the good of the fraternity, but such seems to be the case. When the S. P. A. was organized I felt that it should and would accomplish much toward the perfecting of a unification of our interests; that it would bear fruit and that right abundantly. The seed has been planted and in due time I hope to see the fruit. In going to Detroit to meet that committee I go with the avowed purpose of doing that which seemeth best to me for the poultry fraternity of the entire country and shall look after the interest of my Southern brethren as best I can, looking to their needs as I see them and not to their wants. Make a distinction between the two words if you please in reading this article for there is a very great one. A baby needs nourishing food and it wants candy—taffy. The Southern poultry man needs not taffy, he gets enough of that on occasion, but he needs good nourishing food. His needs are manifold and his wants are innumerable. This is plain old anglo-saxon and is true. It is written with the hope that it will stir up some of our folks to write what we need. Now get busy.

J. Howard Shedd

A CRITICISM—A PLAN

WRITTEN FOR THE INDUSTRIOUS HEN BY HON. REESE V. HICKS

LOOKING over the prospective show dates and judges for the poultry shows over the South this coming winter one is struck with the fact that a majority of them have already selected judges among our Northern brethren to place the ribbons. To particularize, there is Nashville, the home of the Secretary of the Southern Association; Knoxville, the home of THE INDUSTRIOUS HEN, and the committeeman from Tennessee in that Association; Atlanta, I believe, and Charleston, the home of the Association's President, Birmingham, and may be others. There are conflicts of dates too numerous to mention and evidently the Executive Committee of that Southern Association has failed to get busy at all. It looks now like the main object of the Association, namely to regulate dates, has gotten away from the Association. What is the cause of this? Frankly, I don't know, but I have my ideas and while I fear, Mr. Editor, you may not like my expressing my opinion along the line, yet I am going to hazard a shot and you will please not blue pencil the remarks I make. I alone am responsible. The trouble is that the organization has no decided, definite basis or authority to act, and the vast majority of the poultrymen over the South became afraid of the movement soon after the Atlanta meeting when it became generally known that the proposition to make the organization a delegated body and not one of individuals was voted down. At the time this was done I predicted that the Association would die abornin'. The real ground of trouble in the A. P. A. was this very thing, that a few men living in the cities where the meetings were held packed the meetings with nearby members for selfish purposes. To allow delegates in proportion to the membership of the

local Association to vote in proportion to this membership would keep down this trouble. To illustrate, in the meeting at Atlanta only ten poultry Associations were represented but seven of these voted for this method of organization, but they were voted down by Atlanta poultrymen who had paid five cents car fare to come to the meeting against six and ten dollars by the delegates from the Association; the Atlanta voters represented one lone poultryman and the outside voters represented several hundred each. There are other reasons that are known to those posted but as they are largely personal, I refrain from mentioning them for fear of that blue pencil.

Now, since the Southern organization has shown itself incompetent to do anything beneficial, or else unwilling to, and the centers of the Association have given it a black eye by going outside of the circuit for the majority of the judges for the coming show, it looks like good sense to join hands with our brethren over the line, and send to the Detroit meeting and ask them to come over into Macedonia. Ask that they form a Southern Branch with a good, practical, well-known Southern poultryman at its head. Request that the entire Association be put on a delegated basis. It is very probable that this delegated feature of organization will be done without our asking. Let us go into the A. P. A. and join hands with them in our Southern Branch and show them a few things we can do and do right down South. We have the A. P. A. Standard of Perfection, and if we had a properly managed branch to cover the local conditions over the South, we would at least be ahead of our present conditions. So let us go or send olive branches and good men to the Detroit meeting.

PROBLEM 7 OF THE SOUTHERN POULTRY ASSOCIATION

J. N. DAVIS, TEXAS

IN *The Southern Poultry Journal* of April, Mr. T. J. McCarty, president of the S. P. A., sets forth seven reasons, or arguments, which make necessary the life of the S. P. A. Now, while I think a Southern Poultry Association is necessary, and that it will be supported by Southern breeders, and while I am in accord with Mr. McCarty in most of the arguments he sets forth, my purpose in this article is to call particular attention to No. 7 of his arguments, and more particularly to this passage: "No united efforts have ever been made to adjust the difficulties arising from the selections of dates for exhibitions, the various shows, in most cases, conflicting one with the other." "It will take considerable time, thought and tact to arrange a schedule that will be satisfactory to all." "The officers of the association are now at work on this delicate matter, and the executive committee will no doubt show results in a short time." Then, for the consideration of the executive committee and everybody else interested in poultry culture, will say: Organize county associations and let the date for county exhibitions be simultaneous throughout the State. Organize State associations and let these associations exhibit on the same date throughout the territory covered by the S. P. A. Following the State exhibitions hold the S. P. A., at some point selected by the executive committee.

The above is my solution of problem 7. It's systematic. Such a plan may not be "satisfactory to all;" in fact, I doubt if any plan selected will ever be "satisfactory to all."

Let the county associations offer prizes on the score card plan; let them select delegates to their State association, not for the purpose of exhibiting, but to represent the poultry interest of their association. Let any or all members of the county association exhibit at the State Show, if they so choose, but allow no one to exhibit at the State Show who is not a member of some county association of the State. And apply the same rule with reference to the S. P. A.'s Show.

Such a plan would develop the poultry interest of the separate counties and of the individual States, as well as the South. And what is more, this plan would knock out what should be termed poultry sports—those who buy a bird here and there for the sole purpose of winning prizes; in other words, sporting-gambling.

All judges are not perfect, neither are all, or even a small minority, corrupt, but occasionally one is found so devoid of conscience that he will take a "tip." Now the "sport" is looking for the man that will take a "tip," and when he finds such, will follow him from show to show, from State to State; in fact, will take in ever show during the show season—"if the dates do not conflict."

Poultrymen of the South, get ready to "speak out in meetin'." Don't let a few of the energetic ones do all the thinking and all the planning. If you have a plan, assert it. If somebody's plan exactly suits you, indorse it.

I have a plan for supplying all these county associations with judges, but as that is a secondary consideration will not give it now.

THE SOUTHERN POULTRYMAN'S SCRAP BOOK

J. HOWARD SLEDD

It has been my purpose for some months to begin a series of articles that would convey to the minds of my readers the wonderful possibilities of the poultry industry in the Southern States, and as I find that no auspicious time will ever present itself I propose to begin them with this, the initial number of the third volume of THE INDUSTRIOUS HEN.

It may be well to let the reader know why I have chosen the title I have for these articles—they will in a large measure be paragraphic. It is said that "Brevity is the soul of wit," and I find that the general reader prefers to take his reading in homeopathic doses, and knowing this I shall try to give what I have to say in the most concise form that is commensurate with the work in hand.

The South is the garden spot of this or any other country for poultrymen. It is so situated that it is the golden mean between the rigors of the North and the intense heat of the tropics. It is in direct and rapid communication with the best markets of the world, and with freight rates that are not exorbitant. Its winters are so mild that there is no need of an elaborate poultry house, as the birds can spend the better part of their time out of doors and never fear the cold. It is seldom they do not get a great part of the green stuff from the fields over which they roam, and thus is avoided the expense of providing much green feed. The markets—home—afford a fine sale for all the eggs and fat roasters that are reared near them.

Tennessee has been noted for years as a great market producing State and has the opportunity to run far ahead of what she is at present doing in the line of eggs and poultry for the Northern and Eastern markets. The farmer has begun to realize that the rearing of poultry is a business and that the character of the goods he sends out must be such as to demand the highest market prices if he would win in the competition with the Eastern market poultryman. To do this he is fast finding out that he must have a breed of fowls that will lay eggs of a uniform size and color, and chickens that will dress evenly and well cannot be raised from the scrubs that have for so long been roaming the hills and hollows of this section. He is learning that in one sense, at least, an egg is not an egg. The flavor, size and color are all the subject of inspection and criticism when they go on the market, and the little undersized eggs are never rated as high as the full large egg weighing all of 24 ounces to the dozen. A mixed coop of chickens when presented for the inspection of the would-be purchaser have never yet appealed to the eye as does the coop full of pure breeds, all of one color and size. The blue skinned, scrawny, wiry, dressed fowl does not attract as does the full, plump breast and rich yellow skin of the well fattened pure bred. These things the farmer is now beginning to realize, and the result is that they are fast discarding the birds that have been in the family, so to speak, since the days when the first settler came through the gap in the mountain and begun to make for himself a home in this Garden of Eden.

Poultry shows throughout the land have done much to develop this industry and to bring about a better condition of things. They are not doing all they can for the advancement of the cause, and should not neglect the wonderful opportunity they have to instill into the minds of those present at them the best methods of doing things that count in the business. Their work is largely educational, and it can be developed into a more powerful factor for good by the employment of good practical men who are conversant with every phase of the business to give short talks to the visitors each

evening of the show. There are hundreds that would be willing hearers and would gladly have the advice of those that know how to do things. This was wonderfully shown by the very large attendance on the address of Prof. Rice at the Farmers' Convention last month. They not only attended, but evidenced their interest by the questions they asked and the close attention given to the answers. There is no poultry show in the South that could not have at least a question box and then have one expert to answer the questions before the assembled audience. It would at least provoke discussion and the chaff would be winnowed from the wheat and the various ideas thus brought out would be productive of very much good. I would be more than glad to know that the associations of the country were each and all going to have a poultry institute in connection with their fall and winter shows. It can be done if they will try.

Volumes could be written on what we do not know about artificial incubation and brooding, and yet both are used successfully. At the Experiment Station I recently had an experience with a machine that is said to be a non-moisture one, and it may be of interest to our readers. I had run the machine through one hatch with very poor success, and when next set I thought to travel the road along my own lines. I placed in the machine 240 eggs when the thermometer registered only 90 degrees, and it never got above the 100 mark the first week. The second it ranged from 100 to 101, and the third week it ran at 102 until the hatch began, and then at 103. This was with a suspended thermometer. The eggs were cooled well and the thermometer placed on them, allowing them to always fall to 90, and once or twice below that mark. The door of the machine was always left open when the eggs were turned and cooled. I tested down to 172 eggs. On the morning of the twenty-first day there was no sign of life, not a pipped egg. The trays were taken out and each and every egg immersed in lukewarm water. They showed signs of life, some few pipping in the water. The floor beneath the machine was thoroughly wetted and in two hours the trays were withdrawn and sprinkled, and this was repeated later in the day. The morning of the twenty-second day the trays were alive with as chipper a set as I have ever seen. There were 148 of them, and I am persuaded that had I watered them again I would have had more chicks than I did. The delay in the hatch may have been caused by the lowness of the temperature, but I do not believe I would have gotten any chicks worth the accounting had it been left without the moisture. I shall try it again within the next month and will report to you the results. All that there is to know has not yet been learned. And the brooding question is one of constant study. I tried a hen with thirty-six young ones, taking them direct from the machine and placing them in an open shed with her and giving both hen and chicks the run of a space 32 by 75 feet, and they have thriven and grown right along. Now these chicks were taken from the temperature of 103 degrees directly into the open air and turned loose when only 24 hours old. They had no coddling and were in a measure left to do the best they could. They have done well and there is not a measly little peeper in the bunch. My conclusion is that there is too much coddling; that a great many chickens are simply killed by over-anxiety about their living. Clean, dry roosting places, plenty of good food and good clean water and a moderate degree of heat will be all that is necessary to rear them if the stock is vigorous. Here comes the test of good poultry keeping in maintaining the vitality of the parent stock. But enough of these scraps for this time.



TURKEY DEPARTMENT

WRITTEN FOR THE INDUSTRIOUS HEN BY
MRS. J. C. SHOFNER.

"Eternal vigilance the price of success." This is an old adage that is always new, because it is yet true. Possibly the author of it never raised poultry. Yet it applies to that avocation as well as all others. One need not go into any business more heartily than the poultry business if he wants employment all the year round.

Formerly it has been stated as a truism that when a man fails in everything else he became a book agent, a solicitor for an insurance company, or invests what he has left in a small poultry plant, expecting to stock his plant with fowls and let them go and raise themselves. There never was a greater mistake. Anything that is worth doing at all is worth doing well, and it certainly takes forethought and prudent thought, but not after thought, except to profit by experience of loss. It takes the same acumen and business ability in the poultry business as in any other successful vocation; it is an all-year round business. When towns and cities are thinking of fashions and spring fads, the farmer's wife is thinking of spring chickens and how soon she will have some turks and chicks off, beginning now for fall and winter shows—no time for Delineators or fashion plates. All the time she has to read is in keeping herself posted in the poultry kingdom.

It seems to the uninitiated an easy, genteel business—profitable without work. I'll admit it is not hard work, but continual, from beginning of the year to the end, and when the end comes, only to begin again. Our season with the young is very enthusiastic and many times mixed with disappointments. Sometimes we set eggs expecting every egg to hatch, which is the case sometimes; but oftener only a two-third or one-half per cent of the eggs hatch, and we think and draw on our imagination why more did not hatch. Sometimes we find the cause is from bad mating. Sometimes we may lay it to our own neglect and carelessness in preparing a nice clean nest before putting in the eggs. Then many of us fail to test out the bad eggs, leaving them in until all is over. They befoul the nest, and many times this dreadful odor kills the embryo poult, and they die in the shell, having taken in through the pores of the egg that poisonous atmosphere. It is a weakly fertilized egg that decays or one that has been badly managed in some way. An infertile egg does not decay. At the end of time of incubation it is only stale, and the white and yolk is still separated and does not have any bad odor about it. It is best to test out all infertile eggs to give more room for the fertile ones, and to those who haven't a tester I would advise them to purchase one, as they are very inexpensive, though I have used a dark piece of pasteboard with a hole as large as a

quarter of a dollar cut in one side. Bend this board around a lighted lamp and place egg over hole, large end of egg up. At the end of seven days of incubation there will be a small floating speck discernable; at the end of two weeks the egg is beginning to get dark and it can be easily seen, which the fertile and infertile eggs are, as the infertile eggs are yet perfectly clear.

After each hatch is over, the nest should be burned, box scalded and cleaned thoroughly and new wet straw put in, as filth of any kind is a detriment and disease producer, and so we all that succeed in the business must watch little things for the success in big profits.

Many of us turkey "cranks" have just begun our "eternal vigilance" with our little turks, and only have a rest when old mother hen carries them off o'er hill and dale of blue grass, meadow and field, our greatest enemy being Mdme. Hawk. But if we would all use a little strychnine on top of the little turk's head we would soon kill them off. To do this take a small amount of strychnine, mix it well with some kind of syrup, and with a small paddle spread just a bit on each chick or turk's head, and Mdme. Hawk will only eat that one. This applies to rats and vermin also. So we have a remedy for hawks in day time and rats and vermin at night, and why should we not all try it, for it only takes a little care to put it on. It should be put just a very little on the top of head.

I hope this may benefit some one and I may hear from them.

A party asks us the following about their turkeys:

"Will ask you concerning my turkeys, as I have lost about all from what I believe to be diarrhea or 'bowel trouble.' They are five months' old bronze turkeys, were very tame and did not forage to any extent. Sheltered with the chickens, had no vermin and appeared

healthy. Gave them very little corn, some oats and some other grain, including grit, but I noticed they would sometimes steal a little malt, that I had for ducks. I do not know of anything else, and would consider it a great favor from an experienced person to instruct me of the cause, as I love turkeys to raise.

"R. E."

Looseness of the bowels or "diarrhea" may come from several causes, such as overfeeding, dampness, filth, having access to a green oat or wheat field, or infestation with lice. In this case, however, we believe these birds to be overfed, as turkeys that are allowed to run with chickens or other fowls are sure to eat more than is good for them. Besides, turkeys do not require the same kind of food as other poultry, as it causes indigestion, which is the prime factor in the development of bowel trouble. Diarrhea then must be considered as an assumed result of improper feeding and may be aggravated by exposure to cold or dampness. Boiled rice sprinkled with black pepper is said to be very good for this trouble. We would advise putting the turkeys entirely away from the other poultry and feed sparingly of bread and milk for the first few meals, and then cracked or whole wheat be fed. Not forgetting the importance of charcoal, grit and pure water.

The Blacksmith Preacher, in his wonderful, powerful and interesting book just published, says: "The greatest success of my poor simple way of preaching is due to the fact that I put it so a little child can understand it, and I am not comin' here to preach you Hebrew, Greek or Latin. I come to preach the Word of God. The Old Book has been whacked at for two thousand years, but it stands the test today. It is read more, and more homes have the Bible in them than ever before."



Cherokee Bridge, Knoxville.



EGGS STOLEN FROM OTHER NESTS

Egg Eating Habit.

"The egg eating habit is laid to a good many causes. However, in my experience I have seldom noticed it where plenty of oyster shell or shell-forming material was at hand. It generally has its beginning where fowls get to laying soft-shelled eggs. There are two reasons for this. A soft-shelled egg is an invitation to a fowl to help itself and also if they did not need the shell element they would not lay soft shells unless in the case where the fowls are over fat," says C. A. Stone in *Poultry Standard*. "There are a good many remedies, but I have never run across any that were absolutely sure every time. The most practical way I have ever struck is to catch the leader, if possible, at the very beginning, before the flock has learned the trick, and apply the hatchet cure. Or where the habit is universal supply all the oyster shells they can eat. Keep them hustling for their feed. Gather the eggs as often as possible; don't leave any in the nest if you can possibly help it. Also supply a liberal amount of animal food, a piece of raw meat hung up where they will have to jump for it, will detract their attention, as with other habits. Then stock up with a number of loaded eggs. Take a few eggs and crack them apart, keeping the shell as whole as possible. Then make a paste, mixed up with a liberal supply of red pepper, altogether too much for comfort, or something similar; now by filling the shells we have an egg which, if supplied liberally for a few days, will generally discourage the egg eating habit very soon. This remedy combined with keeping the nests in a dark location will almost always effect a cure."

Improving Egg Handling.

It may be stated as a fact that our system of handling eggs from the country carload shipper to our large markets and the subsequent cold storage, is not surpassed by any country in the world.

But having said this much, and said it not in a bragging spirit, we must confess that our system of handling eggs is anything but perfect.

Just as with the creamery industry, the milk and cream delivery being the weak point, so is the first delivery of the eggs the weak point in our egg industry.

Farmers collect eggs when they are "found," be it one, two or a whole nest full, and when collected they are delivered to the local storekeeper perhaps today, perhaps tomorrow, or perhaps a week or a month hence.

We have before shown that the best and, in truth, the only way to secure a revolution in this system of collecting

and delivering is the payment to the farmer according to grade. Unfortunately the eggs are mostly bought by the local storekeepers who pay in trade, and who are willing to lose, or, at least, make no profit on them, in the hope of making the profit on the goods given in exchange, the result is that anything in the shape of an egg goes.

In view of our experience with the sale of store butter, we have no hope of inducing the storekeepers to reform the present system, grade the eggs and pay accordingly, but we again draw attention to the two ways in which the reform may be made. The first is co-operative egg collection, and the second is a co-operation among the storekeepers in the villages and cities.

Such a co-operation consists in an agreement among the storekeepers not to buy eggs at all, but to refer all farmers to the egg depot where an expert candler receives the eggs, grades them, and gives checks for their value in return. These checks are good in trade with any and all stores, and at the end of the year the profit or loss of the egg depot is divided in proportion to the checks received by each storekeeper.

Of course this is only outline, and various modifications may be made according to local circumstances, but the advantage of the eggs being put in cold storage at once, instead of being kept in the store from two days to a week are obvious, and so is that of having the eggs candled on first hand, whereby considerable freight on rotten eggs is saved. We commend this matter to the serious consideration of egg shippers everywhere.—*New York Post Review*.

Orange Boxes for Nests.

In nearly every town orange boxes may be bought at moderate prices. They make the very best nest boxes, especially if they are arranged in the following manner: As every one knows, the orange box is partitioned through the center, thus making plenty of room for two nests in each box. Take a number of boxes and stand them on end, and fasten them securely together with strips of wood. Then from old boxes or other sources obtain sufficient lumber to make an alley way darkened by a board over the top.

Place a little walk so that the hens may readily go to the second tier of nests. In the rear of each box or nest, near the top, make a hole just large enough to get one's hand in, so that the eggs may be removed in this way and the nest material changed when necessary. With this arrangement each hen has a nice dark place to lay, and is not disturbed by anything.—*Indianapolis News*.

Chicks should be given a wide range so as to keep out of each other's way, get a variety of seeds and bugs and have plenty shade. There is no better place under the sun than a corn field for chicks to roam over. Free range builds bone and muscle, and shade with proper and ample feed make plumage. Exercise, feed and roosting quarters make shape. Prize birds do not come by accident. They are trained for it, conditions made favorable and the blood back of it will assert itself in producing the desired results.

Cull close from the very start. Better chicks need their room, feed and care. Allow the widest possible range. Keep them on the move from the first day of their lives. Don't overfeed so as to make them sluggish and prevent exercise. But never let one go to roost without its appetite fully satisfied with wholesome and nutritious food. The next six months will require the best of care to sustain the judgment of mating for prize birds.

There is nothing mysterious about the breeding of Standard bred fowls. All that is required is a certain amount of general knowledge of the business, which is easily obtained. The important thing is to be in earnest and go at things like we would any other vocation. This means that we should have more than a half-hearted desire to succeed and that we make the necessary sacrifice of time and thought to understand just what we are aiming to do, and what is required to accomplish it. Good breeding stock is the first requisite. If you have it, use it intelligently and properly. If you have not got it, get it from some one who has. If you are not prepared to buy high grade stock, buy eggs from the best. If you don't mean business in starting the business, don't try to do anything with it at all.

If one-half of the stock that is sold for breeding purposes was sent to market instead, it would be better for the poultry interests every way. There is too much cheap breeding stock used and too many dollar eggs sold. In buying stock buy fewer in number, but get them better in quality. A good pair is worth more than an ordinary breeding pen.

Poultry requires just the deftness that come natural to women in order to do its level best. If you don't believe this, just go into a flock of chickens that have been tended by a woman and clump around man-fashion for ten minutes and the chances are those hens will not lay for two days.

The State Fair.

As an introduction to what will be the greatest fair ever held South of the Ohio River, the Tennessee State Fair Association has been distributing copies of the fair prospectus and a partial list of the premiums to be offered for agricultural products.

The live stock and poultry interests of the state are sufficiently well organized to assure most creditable exhibits for the liberal premiums to be offered in these departments, and it is the desire of the fair management at the present time to arouse interest in the exhibition of farm products other than live stock and poultry. Along this line they are especially anxious to place before the farmers of the state the great importance of making a complete and representative exhibit of its agricultural products.

This department is to be under the management of Hon. W. W. Ogilvie, Commissioner of Agriculture, and it is the desire of Mr. Ogilvie and the State Fair management to exploit the benefits to be derived from the department devoted to county agricultural exhibits. No other feature of the fair will prove as interesting or go as far in advertising to the world at large the greatness of the state of Tennessee.

The premiums in this department are in themselves worth considering, and added to this the county that can win the distinction of being the banner agricultural county of Tennessee will be the best advertised county in the state and can justly feel proud of the honor.

In exploiting the movement for large and representative county exhibits, the fair has not lost sight of the individual exhibitor. A splendid list of prizes are given for the best collective exhibit and also for the best sample of the different varieties of field and garden products, such as \$100 for the best bushel of wheat, \$50 for the best 25 ears of corn and on down through a long list covering practically everything grown on our farms, including \$1,000 for poultry.

Harvest time is now at hand and the farmers expecting to compete for these premiums must soon begin to save their best samples of wheat, oats, fruit, etc.

Very low rates will be given over all the railroads leading to Nashville and every live farmer in the state should make his arrangements to attend the fair. However, where this is impossible he may still compete for the many prizes offered by sending his exhibits to Mr. Ogilvie in care of the fair. Exhibits so sent will be taken care of and properly placed for exhibit, free from any cost to the exhibitor other than the freight charges to be paid on the exhibit.

Another interesting and instructive feature of the fair will be a special set of premiums set aside for the farmer boys and girls. One hundred dollars is to be offered in a contest for judging beef cattle, to be competed for by farmers not over 25 years of age, another \$100 to be offered by the dairy department for the best pound of butter to be made in the dairy building by the wife or daughter of a Tennessee farmer. Some of the girls from East Tennessee have already sent word that they are training for this contest—surely the girls from other divisions of the state will not be behind

White Hill Poultry Farm

White that Stays White

Ideal in Shape

Single Comb Buff Orpingtons

Buff Blocky Beauties. We can fit you for the shows. Fine Breeding Stock at \$1.50 each to make room for young stock. Order now.

Lawson & Varnell

A. J. Lawson, Mgr. (Route 4) Cleveland, Tenn.

BRUNER'S WHITE PLYMOUTH ROCKS

STAND IN THE FRONT RANKS OF HIGH QUALITY

Scientifically line bred to produce high grade vigorous stock, conforming to standard requirements. Large size, pure white and great layers. Don't squander money on cheap stock of unreliable breeding; it results only in disappointment and loss of valuable time. Get the best, it's always the cheapest. We are White Plymouth Rock specialists. Entire time devoted to the one breed only. If you buy from us you get the best experience and skill can produce.

We solicit your orders and guarantee satisfaction.
Fine cockerels for sale cheap to close them out.

Eggs \$3.00 for 15, \$5.00 for 30, \$7.50 for 50, \$14.00 for 100
Correspondence solicited

A. F. BRUNER & SON, :: R. R. 5, Evansville, Ind.

MAMMOTH BRONZE TURKEYS

B. P. ROCK CHICKENS AND POLAND CHINA HOGS

"Goliath," at 19 months old, weighed 48 lbs., scored 97½ points, won first prize at Nashville show, January, 1906; also two specials for largest fowl in show. I also won 4th hen and 4th pullet, score 9.95 points. At North Alabama show, December, 1905, I won 1st on yearling cock "Goliath," 2nd on yearling hen, special \$5.00 on pair, 1st on cockerel, 1st on pullet, special \$5.00 on young pair. Goliath heads my flock of breeding females, 1906. Six of which are daughters of "Jumbo Jim," the 47 pound, 18 months old tom that won 2nd prize at World's Fair, St. Louis, 1904. I also have 1st and 2nd prize winning pullets at Columbia, Tenn., in my flock. I carry B. P. R. chickens of best prize winning blood—Bradley Bros and Sid Conger strain direct. Eggs in season. Turkey eggs from 17 to 18 pound pullets, 50c each, or \$5.00 per dozen; from 19 to 21 pound prize winning pullets \$1.00 each or \$10.00 per dozen. Chicken eggs \$1.50 per 15. Patronage solicited and everything guaranteed as represented. For further information address

MRS. J. C. SHOFNER, R. F. D. No. 1, Mulberry, Tenn.

THE GAINES WHITE PLYMOUTH ROCKS

BRED TO WIN—AND DO IT

You would probably buy the Gaines White Rocks if you could take them in your hand and see their immaculate white plumage, their unusual beauty, style and vigor.

ONLY 50 BEAUTIFUL COCKERELS LEFT FOR SALE.

10 of them sons of Bob and Alice White. No more Females for sale this year. Send for FREE Circular, which gives a list of my winnings.

If birds I ship do not please you, return them AT ONCE. YOUR MONEY BACK and I stand express charges BOTH WAYS.

E. H. Gaines, Prop'r, GAINES' POULTRY YARDS, Gaffney, S. C.

SANDY RUN POULTRY YARDS

W. D. HARRILL & CO., Props. - - - Ellenboro, N. C.

Breeders of Light Brahmas, Black Langshans, Black Minorcas, Buff and Barred Plymouth Rocks, R. I. Reds, Part-ridge and Buff Wyandottes, Brown and White Leghorns, Belgian Hares.

We have won this season at Atlanta, Charleston, Raleigh and Charlotte, on our birds 43 1st prizes, 32 2d, 27 3d, besides scores of specials. Prices of eggs \$2.50 per 15. We have a few good cockerels for sale, including the 1st and 4th prize winning Part-ridge Wyandotte ckl. at Raleigh, also 1st, 2d and 3d at Charlotte, price \$5 to \$10 each.

THE PREMIUM LIST OF THE GREAT

TENNESSEE STATE FAIR

NASHVILLE, OCT. 8th to 13th

Now in press should be in the hands of every progressive man and woman in the South.

\$27,500 IN CASH PREMIUMS

Special building and \$1,000 for poultry.

Harvest time is now at hand. Save your best products from Farm, Field and Home. Send for one of these premium lists. Exhibit at the Fair and show the world what Tennessee can do. Address,

TENN. STATE FAIR ASSOCIATION, Nashville, Tenn.

Hope's Great Jewelry Store

Is one of the most complete establishments of its kind in the South Established 1868

Our Sales Department has every case crowded with the finest, newest and most attractive Jewelry, Gems and Watches.

Our Manufacturing Department is prepared to repair the finest imported and domestic Watches, Jewelry and to reset Gems.

Our Copper Plate Engraving executes all orders in correct and elegant manner. Our Optical Department enjoys the most enviable reputation. IN EVERY DEPARTMENT we are constantly filling MAIL ORDERS from all sections of the South.

Write us when in need of anything in our line.

HOPE BROS., 519 Gay St., Knoxville, Tenn.

Rogers Breeds the Winning Buff Rocks

Fine in Color. Up on Weight. Eggs \$2.00 per Setting.

WALTER ROGERS, - - - Cleveland, Tenn.



Agents wanted.

THE ONLY NEW THING IN INCUBATION

A limited edition of a new book on scientific incubation is now ready for distribution. A copy will be sent you on request, accompanied by your business card. This book explains the theory and construction of the only incubator ever made capable of producing a continuous hatch. Mention THE INDUSTRIOUS HEN.

HACKER INCUBATOR AND MFG. CO.,

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PIONEER GUARANTEED NURSERY STOCK AT WHOLESALE PRICES.

All stock guaranteed disease free and true to name.

Hart Pioneer Stock is pure bred and produces heavy crops.

Value received for every dollar sent us. No Agent's Commission.

WRITE FOR COMPLETE PRICE LIST. WE WILL SAVE YOU MONEY.

HART PIONEER NURSERIES, Established 1865, Fort Scott, Kan.

the times, and this contest promises to prove a most interesting feature.

The winners of these contests will have a nice little nest egg with which to start a bank account. It would not be out of place for the residents of the state that have not yet received a copy of the fair prospectus to send their name and address to the Tennessee State Fair Association at Nashville.

The quality of eggs for eating is better in spring than at any other time of the year, and the hen lays the most favorable egg for this climate. Many small raisers of fowls gather the duck egg, which is shipped North, where it is used as a delicacy. Here it is found to be too rich for consumption.

About this time the Southern eggs depreciate in value and quality, though previous to that time many a Southern housewife replenishes her larder with coffee, sugar, molasses and other necessities, as well as clothing for herself and children by the sale of eggs. It is on record that one man in Louisiana educates two boys at boarding college through the sale of eggs.

There are consumed in some saloons as many as 100 dozen of eggs a day, and in restaurants as many as 324 dozen. This latter figure does not seem an impossible number when one is told by a French chef that there are 500 ways of cooking the egg.

As far as nutrition is concerned, the egg, when compared to beef, contains 73.5 of water, against 74.4; albuminoids 13.5, against 20.5; fats 11.6, against 3.5, and salts 1.4, against 1.6. Even in these figures 10 per cent must be allowed for the shell, which is found convenient in clarifying coffee.

In the matter of digestion it takes a hard-boiled egg three hours, a soft-boiled three hours and thirty minutes, a fried egg three hours and thirty minutes, a roasted egg two hours and fifteen minutes, a raw egg two hours, and a whipped egg one hour and thirty minutes. Compared with this time, boiled beef takes three hours, rarely roasted three hours, fried four hours, and salted boiled four hours and fifteen minutes.

Some there are who remember the story of Columbus and the egg, and others there are who remember the famous Augustus Leopold Egg, born in Piccadilly, London, in 1816, and died in 1863. Southwest of Skye, in Scotland, is an island called Egg Island, and in Florida is found a bird resembling the gull, called the egg bird.

When all is said we cannot do without the egg. It enters into our food as well as into the delicacies.

Rev. Thos. Sexton, the Blacksmith Preacher, in his powerful and original book just off the press, says:

"If you have got any roses to throw on the graves, you had better put them on while they are living for this is all the world we will ever have to do any great work for God and sinners. I want to say that this world is just the dressing room to get ready for the next, so Christians, I say unto you, what you do for God, do it now; if you want to add a star to your crown, go and get some poor sinner to be saved. If I don't get to heaven, I've lost it all, but by the grace of God, I am going to get there. If you all get there before I do, tell my friends I'm coming too."

QUESTIONS AND ANSWERS.

"Will you give me the points a prize winner is expected to make? I mean name them. If keeping several breeds, will it injure the several breeds to turn them all together after the hatching season, and how many years should male be kept?"

This is quite an interesting batch of questions, and the first is rather out of order, as it is not practical to tell what the required points shall be without knowing the breed. The bird is divided into sections, as head, back, breast, wings, body, legs and toes, and these sections are each valued at so much and art cut for defects, both in shape and color. The best way to learn these things is to get a Standard, for the same number of points are not allowed to the different sections of birds of different varieties. The second question caused a good deal of discussion some years ago, and I held that it was unwise to mix the breeds at any time. I think the best plan would be to confine all the males and give the females absolute freedom. A male bird is often good for three and even four years. I would not advise keeping beyond the third year unless it be an exceptionally fine specimen. Vigor, vitality in the parent stock must be maintained if the young is to be thrifty and make rapid growth.

* * *

"Would you advise the having a brooder with regulator attached or not? Can I raise Buff Cochins Bantams in same pen with Buff Cochins or any other breed?"

The use of a regulator on a brooder is not an essential to the success of the brooder, and I cannot say which I would advise the use of, as I have always used one without a regulator, making the comfort of the chickens my guide as to heat, knowing that when they were comfortable they did not keep up a constant peeping and that at night they spread over the floor, and are content. One trouble is that most brooders are run at too high a degree of temperature and are overcrowded. I have 140 in one brooder now, and they are over a week old, and will be three by the time you read this, and there has not been a particle of artificial heat given them since they were taken from the incubator. The lamp has not been lighted and they are growing like weeds. I do not think you can keep any two breeds of chickens together with safety, even though one may be a Bantam.

* * *

"Will you kindly tell me what the Standard calls for in a perfect bird? I am breeding Black Minorcas. Also about feeding and attending to them?"

The first question cannot be correctly answered without quoting the American Standard of Perfection, and that is a copyrighted publication and I have no right to copy from it for publication, and I doubt if a strict interpretation of the law would permit the copying to be done in ink. The best thing to do is to procure a Standard and study it. I will say, however, that the "perfect" bird has not yet been produced according to the Standard. In asking how to feed and care for them, the question is as broad as the poultry industry and cannot be answered in a sentence. Old stock require the well regulated or balanced ration of different grains and

SUCCESS WITH POULTRY

There is no success with Poultry unless your Foundation Stock is the Best.

THE PALACE POULTRY YARDS

J. T. SNELSON, Proprietor.

Breeders of High Class Black Minorcas, White Minorcas, Buff Rocks, White Rocks, Barred Rocks, Buff Leghorns, White Wyandottes.

BIRDS FOR SALE

EGGS IN SEASON

We have a fine lot of Homer Pigeons for Squab Raising. Prices on Application.

Ours is the largest and most extensive Poultry Plant in South Carolina. It will pay you to visit our place.

Congress and Sumter Sts.,

CHARLESTON, S. C.

DON'T
BUY....

TRAP NESTS

Without first writing for the Catalogue of SUPERIOR TRAP NESTS

To J. A. BICKERDIKE, "The Trap Nest Man"

Box H, Millersville, Ill.



BROWN LEGHORNS

First Cockerel, Second Pen, at the World's Fair, St. Louis, Mo.

Over 200 regular and special prizes at fifteen great shows. Eggs \$2.00, \$3.00 and \$5.00 per 15. Free circulars on Matings and Show Record.

E. E. CARTER, 967 Broadway, Knoxville, Tenn.

White Plymouth Rocks (Exclusively)

Hardy, Vigorous, Farm Raised. Stock and Eggs for Sale. Eggs \$2 per Setting

JOE KNOTT, R. F. D. No. 2, Knoxville, Tenn.

WHY NOT

Come to the fountain for your stock and eggs? My winnings at four shows, including Atlanta, Ga., 40, and 16 first, more than all of my competitors. Eggs \$3.00 per 15, \$5.00 per 30. Some fine cockerels and good breeding pullets for sale. Address the

PARTRIDGE WYANDOTTE PARK, Lock Box 74, Burlington, N. C.

S. C. Buff Orpingtons

The World's Best.

Two pens headed by prize winners. Eggs in season \$3 for 15; \$5 for 30.

I have some fine young Cockerels for sale. Highest scoring Buff Orpington at Birmingham show.

C. W. HALL, - Brookwood, Ala.



WE WIN!

at the late Madison Square Garden Show, New York, in the S. C. Buff, Black and White Orpington classes as follows; 7 firsts, 9 seconds, 7 thirds, 4 fourths and 4 fifths, and these in the strongest classes of Orpingtons ever put together, there being 370 birds competing. We also won the most prizes of any breeder in these same classes. We have the stock and established winning breeding lines, but buying high grade stock and eggs cannot safely be done upon the strength of the mere argument a breeder has room to advance in his advertisements. Now we want you to send for our catalogue, testimonial book and a very elaborate mating list, describing over forty different breeding yards and prices of eggs from same. Do not be fooled or misled by misadvertising, but come to the fountain head to get your start.

WILLOW BROOK FARM
W. L. Davis, Prop. Box 75, BERLIN, CONN.

WILBER'S S. C. WHITE LEGHORNS

BRED TO LAY AND WIN, AND DO IT

Won 23 regular and special premiums in five of the South's Greater Shows this season, of which 14 are first honors, with scores to 96½. Eggs balance of season \$2.00 and \$3.00 per 15, \$3.50 and \$5.00 per 30; try a setting or two of our best hatch winners. Nice breeders after hatching season. Nice mating card free. Write us.

WILBER BROS., :: Box G, Petros, Tenn.
VICE-PRESIDENT NATIONAL S. C. W. L. CLUB

POULTRY, FEED and SUPPLIES

Red Wheat	Kaffir Corn	Grit and Shell
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Model, Chamberlains, Cyphers, Steinmesch and Purina Chick Feeds

BEST QUALITY is my specialty

Mixed Poultry Grain, \$1.90 per cwt. Laying Mash Food, \$2.00 per cwt.

Agent Model Incubators and Brooders

Breeder S. C. WHITE LEGHORNS. Prize-winning Stock and Eggs for Sale

E. E. ELLSWORTH Johnson City, Tenn.

D. R. MAYO

625 GAY STREET, KNOXVILLE, TENN.

Poultry Supplies, Field and Garden Seeds

DARLING'S FEEDS. BEEF MEAL, BONE MEAL, SHELL AND GRIT.

A full line Prairie State Incubators and Brooders. Write me your needs



NOLL'S WHITE PLYMOUTH ROCKS BRED TO LAY BRED TO WIN

Have again proven their superior qualities at the big Missouri State Show, Dec. 12 to 16, 1905. In hot competition, 107 in class, I won 1st and 4th Pen, 1st, 3rd and 4th Pullet, 1st Cockerel, 2nd Cock and 3rd Hen; also Club Special for best Pen, Pullet and Cockerel. If you want the up-to-date kind, write me. Fine breeding or show birds in pairs, trios or pens, properly mated, at prices you can pay. Eggs from my Exhibition Matings will bring you winners, \$2.50 for 15, \$7.00 for 50, or \$12.50 for 100. Columbian Wyandottes—My stock of this variety is strictly first-class. 1st Ckl, 1st, 2nd, 3rd and 4th Pullet, at Mo. State Show, Dec., 1905. Eggs \$5 per 15. HENRY C. NOLL, Box A, Dalton, Mo.

FOR LAYING SIZE AND QUALITY

My S. C. B. Orpingtons, S. C. B., W. and Buff Leghorns, W. Wyandottes and M. B. Turkeys are hard to equal. Eggs from \$1.00 to \$2.50 per 15. Turkey Eggs, \$3.00 per 15.

MRS. M. C. ANDERSON, Shelbyville, Tenn.

B. P. ROCKS

Bred for Business and for Beauty. Fit for any company. Stock and Eggs.

S. T. JOHNSON, Greenfield, Tenn.

plenty of green stuff and water and comfortable housing. I advise you to read the various journals as to proper food rations for them. Young stock is fed without very much ado by most breeders in this year of grace on any of the prepared chick feeds and thrive on them.

* * *

"Do you think hens ought to be fed while setting, and how much? Should they be fed before going to setting? Three or four years ago I bought a lot of fine hens and this winter or spring I bought six fine roosters. Do you think the product of these nearly pure? The hens have been mated to pure bred B. P. Rock roosters. My hens are black. When mated with the B. P. Rocks will the product be black or will they retain the color of the B. P. Rocks?"

Yes. A hen should be turned off her nest and given both food and water each day at a regular hour when she is setting. As to feeding them before they go to setting, I cannot understand how a hen can be of any profit when left to shift for herself, and presume that you mean should she have any special feeding. If that is the idea, I would say no. Of course the blood of the male has been introduced into the flock and the offspring is just one-half his blood, and a continual breeding will make the birds very nearly so; but I do not think one ing. If that is the idea, I would say no. Is ever safe to count on any such breeding, as the law of avatism will apply, and when least expected they may revert back to the original type. It is impossible to say just what the color of the progeny will be. The B. P. Rock is very prepotent and will be very sure to stamp itself on a great many of the chicks, but there will be some that will partake of the color of the female, and then the bulk of the females hatched will be far darker than is desirable in a B. P. Rock.

* * *

"How long can the baby chicks be confined with safety before letting them run at large, and is it wise to feed them earth worms before they are three weeks old? What is meant by score points and by double mating?"

The sooner the young chicks are allowed to run the better for the chick. My object has always been to get the young ones down on mother earth as speedily as possible. Confinement is not what they want, but rather a plenty of exercise. So they are kept out of the dew and wet and have a plenty good feed and water they will thrive. A bird is divided into sections and so many points allowed to each section. The lack of perfection is cut so much and the total of cuts or outs, as they are sometimes called, is deducted from 100, and thus the correct score is reached. To discuss what is meant by double mating would take more room than can now be devoted to the subject. It is simply a placing birds of certain colors together to produce a certain color. It is resorted to by very many breeders to get the required shade in the coloring, especially in the parti-colored birds. Say in B. P. Rocks you use a dark male, with females of a like shade, to get your Cockerels, and a light colored male to produce your females, mating him with females that are light in color but distinctly Barred. It is not natural, and the time is certainly coming when it will not be necessary to keep this plan up,

and the man or woman who will originate or perfect a strain that will produce prize birds of both sexes from a single mating will have a bonanza.

* * *

"Please describe the disease known as 'blackhead.' A number of breeders have lost their turkeys around here with a trouble supposed to be this disease, and we would like to know the nature of it. J. H."

Now this is a disease we have had no experience with whatever, nor have we ever seen a case of it, and can only give authority on this subject, but have been watching the progress of this trouble with great interest for a number of years. The disease in question is specific with turkeys and was limited to Rhode Island alone, and almost paralyzed the great industry of breeding turkeys that at one time constituted so large a part of the extensive poultry culture of that State. But at present it has not only spread along the New England coast, but as far South as Florida, and even Illinois and Iowa have cases reported, that have every symptom of this dreaded disease. As report from Dr. Cooper Curtice, biologist of the Rhode Island Experiment Station, says: "There is no cure or preventive that has been found for this disease."

It usually attacks young turkeys, but the germ seems to be carried over in old stock from year to year. Post-mortem examinations show ulcerations of the blind pouch of the intestine and yellowish spots on the liver. Sometimes the spots are very extensive on the liver. Yellow excretions are characteristic of the disease. According to Dr. Grinnell, of Connecticut, who has investigated and been in the thickest of the disease, and who has made many interesting experiments, states that it is a germ disease. The micro-organism bacilli or bacteria enter the alimentary canal by the mouth. They lodge and develop in the blind pouch where the small (upper) and large (lower) intestine meet and where lies the dreaded appendix vermiciformis. The bacilli or germ finds a congenial locality at this bend of the intestine, and where its action is slowest. These thousands of germs act as an irritant and cause inflammation and in time ulceration of the bowels. It is said the process is similar to tuberculosis, although the germ is quite different. As a secondary complication, the liver becomes affected and all other organs will have suffered accordingly. In some cases the bird dies suddenly from perforation of the intestine. Again the process is slower. Fears are entertained by those who are making a study of this trouble that it will finally spread all over the country and entirely destroy the turkey branch of the poultry industry. At any rate, we would suggest to those who are breeding turkeys and are thinking of buying new stock to exercise great care in this matter, keeping it isolated until you have reason to believe it not infected, for once it makes its appearance on your farm there is no known method by which immunity is assured.—*Poultry Success.*

WANTED—A young man to learn the Poultry Business with view of taking charge of plant. A good opportunity for the right person. Apply at The Industrious Hen Co.'s office, 617 Gay Street, Knoxville, Tenn.

VERNON HALL POULTRY FARM HIGH POINT, N. C.

Breeders of BARRED PLYMOUTH ROCKS Only

Have been breeding them for eleven years. Have raised hundreds of prize winners and have a show record not equalled by any other breeder in the South

Eggs from best matings for delivery in May and June
\$2.00 per setting of 15.

A. E. TATE,

Proprietor

DINWIDDIE'S PRACTICAL STRAIN Barred Rocks and S. C. White Leghorns

If you are interested in eggs from birds bred for practical purposes as well as for standard points, write me for prices and further information.

J. A. DINWIDDIE, New Market, Tenn.

Stansbury's White Leghorns

have proven to be best in South by winning 9 1st prizes and 6 2d prizes in three of largest Southern shows in 1905. What better proof do you ask? I am now booking orders for eggs at \$1.50 per 15, \$7.50 per 100, from these winners.

S. S. STANSBURY, Richmond, Va.

Walker's Barred Rocks and White Wyandottes The Farmer's Friend The Fancier's Favorite

Are line bred and mated to produce winners for you as well as us. Place your order for eggs at once and start right. We won firsts in all the leading shows this season. We can furnish eggs from prize winning stock, \$2.00 per 15. Order today. NONE BETTER. We have a nice lot of young stock coming on.

WALKER BROS., Route 1, Madisonville, Tenn.

The QUEEN & CRESCENT ROUTE

Is over two hundred and fifty miles the shortest and twelve hours the quickest line from points reached through Chattanooga, Atlanta, Birmingham and Meridian to Shreveport, Dallas, Ft. Worth, El Paso and points reached through these gateways. Operating the most modern vestibule trains with through sleepers and dining cars to both Shreveport and New Orleans. For cheapest rates, schedules and other information apply to

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University of Tennessee, U. S. Experiment Station

We can furnish the best in
EGGS and STOCK
of any Standard Breeds of fowls

Berkshire Boar Pigs tracing back to Gold Standard and out of good sows.
Well bred Scotch Collie and Bull Terrier pups for sale.

University Farm, Knoxville, Tenn.



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REV. THOMAS SEXTON,

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From the **ANVIL to the PULPIT**

30 Illustrations. Brim full of Sharp Sayings and Sarcastic Criticisms

The best thing that has been written and the strongest language used since "Fifteen Years in Hell" was given the public. Full of originality, pointed and pithy, sending blows from the shoulder, but never striking below the belt. Endorsed by Revs. Sam Jones, Geo. Stuart, G. W. Perryman, E. O. Excell and the clergy, and leading laymen of all denominations.

First Edition is limited and will not last long

Price 50c (By Mail 60c). The Industrious Hen, one year 50c.

The two for 75c. (Postage on book 10c extra.)

Address Orders to

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

THE HOSPITAL

For sore head remove the scabs and bathe the sores with hydrogen dioxide, then annoint with an ointment made of 1 part of iodoform and 20 parts of vaseline.

* * *

One of the best and cheapest remedies and preventatives for cholera is: 1 tablespoonful of carbolic acid thoroughly mixed with enough water to make 1 gallon of dough. Use corn meal and make a stiff dough. Feed every day or two for a cure, or every week or ten days for a preventive.

* * *

One of the best remedies for inflammation of the bowels is to place the fowl in a comfortable house and abstain from giving it any food save that which is easy of digestion, and Dr. Woods says add 10 drops of tincture of bryonia to each pint of drinking water, allowing your birds no other water to drink.

* * *

For scaly leg make a solution (saturate) of naphthalene flakes and kerosene oil. Use this to bathe the feet and legs, and after one or more applications a thorough washing of soap and water will get you rid of the disease. Be sure that you do this during the day and do not get any of the solution on the tender parts of the leg or body, for it will blister.

* * *

For the loss of feathers caused by the denuding mite, Dr. Woods give the following remedy: One teaspoonful of creolin in one cup of melted lard. Stir the whole until cold. Then add one teaspoonful of extract of aloes and rub same into the ointment thoroughly. Apply to the exposed area and to the roots of the feathers about the bare place. Make application when necessary.

* * *

For gapes the best remedy is to exterminate the gape worm. This can be done by a thorough liming of the infected soil. In the meantime if the chicks are caught and dusted with air slacked lime in a close box they are often forced to cough up the worm. Carbolic acid dropped on a hot iron and the chick made to inhale the fumes will often cure. The best way as found by the old breeders is to extract the worm from the throat.

* * *

Gapes Again.

Season after season we find ourselves facing that most vexing problem, which, notwithstanding all precautions, will annually make its appearance—gapes among young chicks. It seems that it is predestined to reach some places, though there is no denying the fact that it can be prevented in every case where due precaution is exercised.

It is purely a disease, if such it may be called, of our own inviting, due solely to causes which we may remove, or which, more properly speaking, should not be allowed to exist.

Gapes are the result of small worms, which to the naked eye seem nothing more than a tiny streak of blood—which gather in the windpipe of the chick, and by slow degrees grow until breathing becomes difficult and death often results.

The eggs from which these worms are hatched are gathered by the chicks from the filth of the poultry yard. They attach themselves to the throat, and in due time the heat of the chick's body hatches the larvae which, in a few days, begin to interfere with the breathing and cause that gasping noise usually called gapes. Many remedies have been found which will cure those that are attacked, but the safest and simplest way is to prevent it. Remember the cause, and you will have no trouble in keeping it out of the flock.

When the chicks are hatched take them to a coop away from the house, where there is nice shade and grass; see that they have no mites, remove the coop every few days to a clean place, and you will never see a case of gapes.

Brooder chicks never have gapes, simply because they are not allowed to gather filth from the yards.

Keep the chicks on clean grass, where there is shade, and do not let them run about in the wet weather.

As a remedy for those affected, catch the entire brood, whether gaping or not, put them in a large basket, cover it with a cloth and set the basket over a barrel in which there is burning tobacco. The fumes of the smoke will cause the chicks to sneeze and dislodge the worms, thus giving instant relief. Carbolic acid fumes will serve the same purpose. Relief is also given by inserting the tip end of a feather, or horse hair, in the chick's windpipe and turning it quickly. Anything which will remove the worm will give relief.

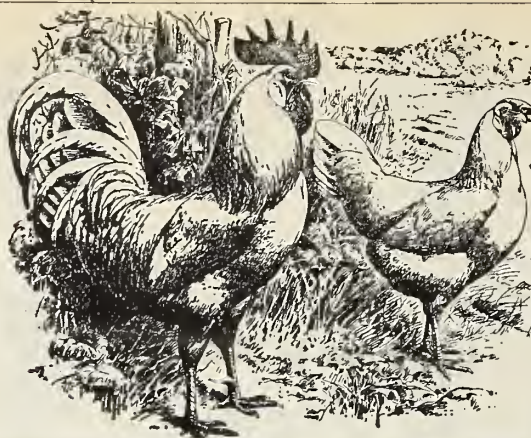
Garden and Orchard.

The watering of plants during dry weather would seem to be very simple, yet there is a wrong as well as a right way of doing it, and some important operations are involved in the process. The usual practice of moderate daily waterings, moistens the upper layer of surface only, and involves the formation of roots chiefly in it, limiting the absorption of plant food to this thin top layer, and bringing the roots more fully under the influence of excessive heat. Should the waterings at any time be omitted when dry, the surface layer will dry rapidly and the plants suffer severely. This is one of the wrong ways.

If the waterings are daily, and but little in quantity, the upper layer of the soil nearest the surface is the only part kept moist enough for plant food to be dissolved; hence, roots will develop only in this thin surface soil, where there is a limited supply of food, and where they would suffer severely if the waterings are left off. The proper plan, therefore, is to water once a week, or twice, if the weather is very hot and dry, and then wet the ground thoroughly. The next day, if the soil is sufficiently dry to work, rake it over so as to prevent baking and forming a crust.—*Exchange.*

Whenever God wants to make a drunkard of a fellow he baits the hook with a jug; when he wants to make a gambler he baits the hook with a deck of cards, and when he wants to make a "cusser" out of a fellow he just throws out an old rusty hook with nothing on it.—*From the Anvil to the Pulpit.*

Tennessee State Fair, October 8 to 13.



R. C. Brown and S. C. White
LECHORNS
..AND..
S. C. Black Minorcas

FINE PENS TO SELL

I breed to lay, winners in the best shows. Cockerels from hens that layed 253 eggs in 1904. These birds will improve your strain in laying, as they are bred for this purpose. Write me.

FRED AXLEY
SWEETWATER, TENN.
Route No. 5

Barred Plymouth Rocks

Won at Knoxville Show

1st Cock	2nd Hen	2nd Pullet	3rd Cockerel
1st Hen	2nd Cock	2nd Pen	4th Pullet

Yard headed by 1st Cock, Brother to 1st Cockerel, Providence, R. I., 1904; 2nd, Boston, Mass., 1904-5

Cockerels for Sale.

Eggs \$2.00 per 13.

MRS. W. R. MADDEN, South Knoxville, Tenn.

Victory over All

On our White and Buff Wyandottes at Bristol, Tenn., Feb. 1, 2 and 3. My first prize white pullet score, 96½ 3-95½, pen 188½, won everything in Buffs at Knoxville and nearly everything at Bristol. If you want prize winners get your eggs from

M. D. ANDES, Bristol, Tenn.

Cooper's Rose Comb White Leghorns

Lay the Eggs and Win the Ribbons.

SAM M. COOPER,

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Thomm's
PARTRIDGE WYANDOTTES
Standard Bred

EGGS FOR HATCHING

BREEDING PEN No. 1 contains 5 beautifully penciled hens with winter record of 110 EGGS in one month. All sired by

FIRST COCK CHICAGO SHOW, 1904

Eggs from this prize-winning pen, \$3.00 per 15.

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SECOND COCK ATLANTA

IF BLUE RIBBON QUALITY IS WHAT YOU ARE AFTER

HARDIN'S S. C. WHITE LEGHORNS, WHITE WYANDOTTES AND S. C. BLACK MINORCAS'

will please you to a high degree. Unquestionably the greatest combination laying and exhibition strains in existence. First Prize Winners at recent Atlanta and Knoxville shows.

200 CHOICE LEGHORN COCKERELS AND PULLETS for sale at very attractive prices to quick buyers.

EGGS FOR HATCHING from prize matings; Leghorns \$2.00 per 15. Wyandottes and Minorcas \$3.00

Catalog for the asking, address

VALLE CRUCIS FARM

W. H. HARDIN, SUPT. VALLE CRUCIS, N. C.
STATE V. P. NAT. S. C. WHITE LEGHORN & WHITE WYANDOTTE CLUBS

Single Comb Buff Orpingtons

MRS. J. A. MARTIN, Johnson City, Tenn.,

Breeds the Winners in S. C. Buff Orpingtons

1st and 3rd Cockerel, 1st and 4th Cock, 1st, 2nd and 3rd Hen, 2nd, 3rd and 4th Pullet, 1st, 2nd, 3rd and 4th Pen, at Knoxville, Tenn., show, January, 1906.

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Now is the time to place your orders for Eggs

You cannot get them from a higher class stock than you will find at....

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Over 100 regular prizes and fine specials at two leading shows on our Barred, White and Buff Plymouth Rocks, White and Buff Wyandottes, Buff and Brown Leghorns, Buff Cochins, Buff Orpingtons, R. I. Reds, Buff Cochin and Golden Sebright Bantams and Pekin Ducks. A few cockerels at a bargain. Circular tells all.

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ROUTE No. 2,

BIRMINGHAM, ALA.

WHERE POULTRY PAYS

Poultry pays best where the Local Markets are the best.

The great factory towns along the

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need an increased poultry supply.

Investigate openings for the poultry business in the sections reached by the Southern.

For information apply

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Land and Industrial Agt.,
WASHINGTON, D. C.

B. J. HILLIDGE,
122 West Eighth St.,
CHATTANOOGA, TENN.

Tennessee State Fair.

The inaugural Tennessee State Fair is to be held at Nashville, October 8th to 13th, inclusive, immediately following the great fair at Springfield, Ill., and preceding the fairs at Atlanta, Ga., and Birmingham, Ala.

\$27,500 will be offered in cash for premiums.

It is the desire and intention of the management to make this the greatest fair ever held in the South—a fair in every way representative of our great state, and at the same time a fair that will attract the best exhibits from the great Northern and Western fairs preceeding it, thus acquainting our home people with the superior advantages and great possibilities their state possesses in agricultural and mechanical lines, and advertising to the world at large the unrivalled advantages of Tennessee.

Vineless Potato a Complete Success.

A half-bushel of sawdust, a dash of chemical solution and fifteen potatoes carefully enveloped with the sawdust will enable the average householder to grow a bushel of tubers on his housetop or in his cellar within sixty days. This process has been discovered and elaborated by W. D. Darst, of Great Falls, Mont. Moreover, the grower will have no potato bugs to contend with, he will have no turning over of the soil at certain intervals, and there will be no contest with grub-worms.

The product of Mr. Darst's process is termed the "vineless potato" from the fact that, grown under these apparently unnatural conditions, there is no surface vegetation. Because of this each potato buried in the sawdust is enabled to produce at least twelve normal-sized tubers.

At the Oakland Plaza, in the rear of the Oakland hotel, in Chicago, Mr. Darst disclosed the methods of growing potatoes by his system. Operating on the theory that the presence of surface vegetation was only a method of securing nourishment and in reality sapped the vitality of the tuber, Mr. Darst experimented more than six years and found he could overcome this seemingly natural course on the part of the plant by supplying it artificially with its needs.

By employing sawdust, peat, straw or any other earth product that would permit of the circulation of air, moisture and heat and the application of solutions of various salts, he discovered that a single potato would multiply itself by attaching to itself from twelve to sixteen other potatoes of approximately the same dimensions without throwing off any of its energy above ground.

Packed in loosely arranged bins permitting the free access of air and arranged in rows six inches above each other, with an allowance of one cubic foot of sawdust to the seedling, Mr. Darst has demonstrated the rapidity of growth and the proportions that the potatoes may attain by showing that within sixty days fifteen potatoes will produce a bushel. In the character of his experiments and the success that has attended upon them Mr. Darst has the indorsement of Luther Burbank, the eminent horticulturist and botanist.—Exchange.

North Carolina Poultry Association.

The annual meeting of the North Carolina Poultry Association was held at Greensboro, N. C., on the 18th and was one of the best meetings of the Association that has ever been held as over fifty members were present either in person or by proxy. The enthusiasm of those present and the determination expressed by every one to make the next show the best in the history of the association guarantee a splendid show for next January.

The following officers were elected:

President, Jas. P. Kerr, Haw River, N. C.; Vice-President, S. L. Trogden, Greensboro; J. W. L. Thompson, Burlington, and E. G. Warden, Charlotte; Secretary, J. S. Jeffrey, West Raleigh; Assistant Secretary O. D. Boycott, Greensboro; Treasurer, A. F. Tate, High Point; Show Supt. J. A. P. Wolff, Rural Hall; Asst. Supt., I. E. Doggett, Greensboro.

Several new names were submitted for membership and accepted and the Greensboro and Guilford county members pledged themselves to secure one hundred new members if the next show was held at Greensboro.

The secretary of the Chamber of Commerce attended the meeting and extended an invitation in the name of the chamber to the association to hold our next show at Greensboro and promising very liberal support by the chamber and people of Greensboro.

This invitation was accepted and the dates selected were January 8th to 11th, 1907.

The secretary of the State Fair recognizing that the poultry exhibit is one of the most attractive exhibits at the Fair asked our association to make suggestions regarding a revision of the premium list so as to make it more attractive, and the President and Secretary were appointed a committee to take this matter in hand. J. S. JEFFREY, Secretary.

Here's One Hard to Beat.

Snake and fish stories are too common for our poultry press to copy, but here is one on the hen and egg which will make you laugh:

There was once a noted professor in England who was always trying experiments, etc. He conceived the idea of increasing the size of eggs, and to carry out his plans he purchased a thoroughbred hen and started his experiment by placing in a nest a Guinea egg. His idea was to each day increase the size of his nest egg, thereby trying to get the hen to lay an egg of equal size to the nest egg. Well, the first day he was overjoyed to find an egg laid by the hen, the egg of the same size as the nest egg. Next day he put in a larger egg, and the hen she laid an egg of corresponding size. The next day the professor put in a goose egg, and the hen she laid one just as large. Encouraged as he was, the professor next tried an ostrich egg, and was surprised to receive an egg of equal size from the hen. Not being satisfied, he next took a good size football, whitewashed, and placed in nest box. The poor hen, who had done her best, was startled, when she was ready to lay, by finding such an egg, and straightway laid an egg of equal size, scratched on the outside, "I did my best," then crawled inside the egg and died. Phew!—F. S. Bullington.

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Which will be a great help to anyone intending to build. It will give you new and reliable ideas both in plan and exterior design, and with my office at your disposal your building experience will be a delightful one.

Price of Book 50c

If you have original ideas which you would like worked into practical shape, I shall be pleased to correspond with you.

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BRED FOR UTILITY
BRED TO LAY

RED, WHITE AND BLUE

BRED FOR FANCY
BRED TO WIN

At Sandy Creek, Phoenix and New York State Fair, the hottest shows in New York State in 1904-05, I won 76 prizes and special on my Blue Barred Rocks. Brahmas, Rocks, Reds, Leghorns, Minorcas, Wyandottes, Bantam, Eggs \$1.00 and \$1.50 per 15. Hatch guaranteed. Rouen Duck Eggs \$1.25 per 11; Toulouse Geese Eggs 40c. each. Catalogue free.

PULASKI, N. Y., Jan. 6, 1906.

Dear Sir:—Out of the 26 eggs I purchased of you I got 26 chicks, 11 of them were pullets, and yesterday I got 11 eggs, and get from 6 to 10 eggs every day.

Yours truly,

THOS. WILDER.

MAPLELING POULTRY YARDS, H. DAILY, Propr.

Box S.

PULASKI, OSWEGO CO. NEW YORK.

SOUTHERN AGENCY MODEL INCUBATORS and Poultry Supplies

Prepared Chick Feed	50 pounds, \$1.50	100 pounds, \$2.50
Hen Feed, Mixed	50 pounds, \$1.25	100 pounds, \$2.25
Thermometers } Brooder	40c, postpaid	
Incubator	55c, postpaid	
Punch for marking Young Chicks	25c	
Leg Bands, 20c doz., postpaid.	Lice Powder, 15c postpaid, etc.	

F. J. MARSHALL,

Atlanta, Georgia

Single Comb Rhode Island Reds

Best pedigree line bred stock. Winners this season at Birmingham, Montgomery, Mobile, Houston, Tex., Atlanta, Ga., Aberdeen, Miss., and Nashville, Tenn. Cockerels from \$3 to \$10; no pullets. Eggs, \$3 for 15. A setting will produce you winners. Order now.

L. K. TERRELL, 304 Tuscaloosa Ave., BIRMINGHAM, ALA.

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Cigars and Tobacco That's All!

We carry the largest stock of TOBACCO in the city, and sell you cheaper than any other firm. Come see us.

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Special Prices
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EGGS READY for SETTING

From First Prize Pen B. P. Rocks, Cockerel and Pullets
Also R. I. Reds, pen headed by First Prize Cockerel
Prizes won at the Knoxville Show, Jan. 06.

Orders Already Booked, Better Place Yours Now

EGGS, \$2.00 per 15

Two Fine Mocking Birds, Three Years Old
For Sale

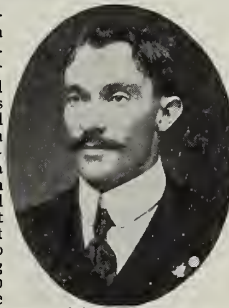
J. P. McMULLEN
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GIDEON O. HARNE'S MINORCAS

The World's Undisputed Champions, Developed by Careful Selection from
Foundation Stock of First Prize Winners. Bred for Vigor, Beauty of
Shape and Laying Qualities. True Winners of the Blue.

Greatest winners at the Great Hagerstown Show, 1904 and 1905, where I won in 1904 more prizes than all other competitors combined, including the Silver Cup for Best Minorcas in the show, and again in 1905 in competition with World's Fair Winners I won the 1st, 2d, and 3d Pens, 2d and 5th Cocks, 3d Hen, 5th Pullet and 5th Cockerel in Blacks, including the Silver Cup for Best Minorca Pen in show, also Cornell Special; in Whites I won 1st and 2d Pens, 2d and 5th Cocks, 2d and 3d Pullets, and First White Cochins Pen. Therefore Don't Waste Money and Time as well on cheap stock, but begin with the best by placing your orders with me for anything in Black or White Minorcas, Buff or White Black or White Plymouth Rocks. Place your order quick and avoid the rush.



GIDEON O. HARNE, V.-Pres. Black Minorca Club for Maryland **Box 138, Wolfsville, Md.**

OUR 1906 CATALOGUE OF

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It is filled with valuable information on POULTRY RAISING FOR PROFIT, with illustrations of Incubators, Brooders, Portable Poultry Houses, Poultry Foods, Insecticides, Poultry Remedies and Poultry Appliances; 64 pages in all—with over 100 illustrations. It is yours for the asking.

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311 Meeting St.

CHARLESTON, S. C.

Buff Plymouth Rocks and Buff Leghorns

SPECIALTIES

Eggs for hatching \$2.50 for 15, express paid. Twelve eggs in each 15 guaranteed fertile or we will duplicate at half price.

WM. P. WOODWORTH

Disston City, Fla.

ONE-HALF PRICE

Will sell eggs balance of season
13 for \$1.50

DAVIS' BARRED ROCKS

Have never failed to win wherever shown

B. S. DAVIS, Charlotte, N. C.

SUBURBAN POULTRY YARDS

SHELBYVILLE, TENN.

WILL PLEASE YOU IN

EGGS, PRICES AND WAY OF SHIPPING

S. C. Buff Orpingtons, S. C. Buff, Brown and White Leghorns, White Wyandottess and M. B. Turkeys. There are no better birds in the South, either in breeding or individuality, than those in Suburban Poultry Yards. Don't you want some? Am now booking orders for eggs, and they will be filled in the order received.

TURKEY EGGS, \$3.00 FOR 15
CHICKEN EGGS, \$1.00 to \$2.50 FOR 15

Address

MRS. M. C. ANDERSON
SHELBYVILLE, TENN.

Setting Potato Plants.

Have ridges three and a half feet apart and set the plants from sixteen to eighteen inches apart in the row. If very dry, on drawing the plants from the bed dip the roots in a loblolly so as to form a damp coating around roots. The old method of pouring water in the hill and taking great care in placing the plant has been done away with. Many adopt this plan: Take a sharpened stick of the size to make the opening and make hills at the required distance apart. Let some one follow with the plants arranged in a pail so that the roots are in mud, setting one in each opening. Some take even less care than this, simply dropping the plants after dipping in water and shoving them into the earth with a stick.

With favorable weather few plants will need to be reset, but if it is warm and dry the more laborious method pays. The best fertilizer for sweet potatoes is the Capital Trucker from six hundred to eight hundred pounds to the acre.—*Exchange.*

Many poultry keepers seem to think that filth does not hurt the fowls, and they may be fed anywhere on the ground, and just so long as they will eat the food there will be no danger.

This is a great mistake, and sooner or later will prove a very costly one.

Fowls will eat in filth and apparently not object to it, but that is no reason why we should permit it.

Children will play in the mud, but we do not think mothers care to encourage such habits.

Fowls should be provided with troughs for feeding, and these should be kept clean at all times.

All soft food should be fed in this way. Grain, of course, should be fed in the scratching shed where the hens must scratch.

If the ground should become filthy, remove the trough to where there is gravel or clean soil, and do not, for even one day, let the fowls gather up disease germs which propagate in the bare spots around the kitchen door.

Henry W. Grady once went to an old merchant who never advertised, and asked for a small "ad." for his paper, which was also small. The old gentleman refused, and Grady asked to be allowed to insert a "free ad." for him. Having received permission, he put in a small, modest request for house-cats to be delivered the following Monday morning at the merchant's store. At an early hour Grady stationed himself at a window in a house opposite the store, and soon men and women, boys and girls, black and white, began to arrive with cats in arms, in sacks, in baskets, in wagons, until people and cats blocked the sidewalk and street by the time the merchant came down to open his store. He had to send for the police before he could open and begin business. Then he sent for Grady and gave him a "big ad."

Moral—People do read advertisements; therefore advertise in THE INDUSTRIOUS HEN.

Tennessee State Fair, October 8 to 13.

The Colonel.

WRITTEN FOR THE INDUSTRIOUS HEN BY
E. P. B.

Who, at our Second Poultry Show,
Was proudest bird in all the row,
So full of grace and white as snow?
The Colonel!

Who was the prettiest bird of all?
Whose voice rang loudest thro' the hall,
In answer to his Mistress's call?
The Colonel!

Whose cage attracted all the crowd?
Whose crow rang musically loud?
Of whom was the Brown family proud?
The Colonel!

To whom was all the homage paid?
Of whom was Naftel most afraid?
Who Jack Brown's reputation made?
The Colonel!

Who, for a time, had them all "skeered?"
Who'd win the ribbons, they all feared?
Whose owner was, by their praise,
cheered?

The Colonel!

Who, when the judges' score was known,
Neglected was and left alone,
His glory gone, his pride all flown?
Poor Colonel!

There are good agricultural authorities who are generally opposed to the plowing under of green plants for manuring purposes. This is a translation from a German writer, who so thinks: "The distinction should be made between green manuring and the plowing under of the stubble and remains of a crop. The latter is necessary, and often results in much good to the land. But it is a mistake to plow into the soil for manure a pound of vegetable albuminoids which could be used for making milk or meat. Green manuring, except with lupines on light sandy soils, marks no progress in farm management. Let us then take advantage of the recent discoveries of agricultural science, not to manure the soil with atmospheric nitrogen; but to produce and to utilize to the fullest extent the nitrogenous and carbonaceous materials derived from the air by feeding them to farm animals."—*Exchange*.

Chick No. 13.

Little chick pipping the shell, will he
get out?

I can't tell.

Little chick catching the worm,

Watch it wriggle, watch it squirm.

Little chick in the brooder,

Here come a cat, an intruder.

The cat he catches the largest one,

Thinks it jolly, thinks it fun.

The cat decides him good to eat,

And find him tender and mighty sweet.

Little chick will chirp no more.

Never chirp as he chirped before.

He was taken from a hatching machine,

He was unlucky number thirteen.

J. E. C.

BOOKKEEPING
AND SHORTHAND TAUGHT BY MAIL
BOOKKEEPING
Knoxville Business College
Address Dept. 16, KNOXVILLE, TENN.



No. 6; Score 93, Egg Record 197.

A HAPPY COMBINATION For UTILITY, FINE POINTS, PLEASURE BAYNE'S EGG RECORD STRAIN of WHITE WYANDOTTES

What we are all after, the ideal combination of
heavy layers and prize winners—I've got them

At Knoxville show I won 3rd Cock, 2nd Cockerel, 3rd
and 4th Hen, 4th Pen. At Bristol show I won 1st
Cock; 1st, 2nd, 3rd, 4th Hen; 2nd Cockerel; 1st and 3rd
Pen. Five Hens shown scored 95½, 95½, 95, 94½, 93½.
Average egg record 197.

Eggs \$2.00 a Setting, \$8.00 per 100

T. L. BAYNE, Russellville, Tenn.

HENRY'S BROWN LEGHORN PLANT

Guntersville, Alabama. P. O. Box 207

Purer blood never stood on the straw,
And better layers you never saw.

No mistake about it. You can't do better than to give us an order for Eggs. Our pens will be
mated January 1st, 1906, consisting of sixty breeders.

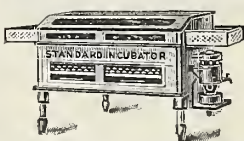
PRICE OF EGGS: From Business pens, 15 for \$1.00. From Exhibition pens (double mating system), 15 for \$2.00. Birds for sale.

HILL TOP POULTRY FARM

White Wyandottes, of Most Popular Strain in America

Those wanting first-class stock and eggs are invited to write or call on

A. H. CARPENTER, - New Middleton, Tenn.



INCUBATORS ON 30 DAYS TRIAL

Without paying us one single cent in advance. Our Standard machines
are used and indorsed by thousands of successful poultry breeders.
All the features of merit found in other machines worth having are
combined in ours, which makes them the very best all-around business
hatchers in existence. Large, handsome catalogue, with building
plans, etc., free to intending purchasers. Address
THE STANDARD F. C. INCUBATOR CO., Dept. E, Rochester, N. Y., U. S. A.

BUFF PLYMOUTH ROCK EGGS ½ PRICE.

From flock originated from Show Birds,
Containing Show Birds,
And producing Show Birds.

BLUE GRASS POULTRY YARDS (The Damons)
SUMNER CO. CIRCULARS FREE. Mitchell, Tenn.

WINNING BROWN LEGHORNS

My birds prove the claim wherever they are shown They never meet
defeat. At Birmingham, Montgomery, Chattanooga and Knoxville,
Jan. 17-19, 1906, in the hottest class ever shown in the South, I made
clean sweep in Cockerels, winning 1st, 2nd and 3rd. and had my full
share of the other prizes. Send for circular.

EGGS \$2, \$3 and \$5 per 15. \$6 per 100 for Incubators

M. S. COPELAND, Powell's Station, Tenn.

REDUCTION.

Eggs \$1 per 15, \$3.50 for 50, \$6.50
per 100 from my famous Rose and
S. C. Browns, and S. C. White Leg-
horns and P. Ducks. Barred and Buff
Rocks. 242 and 240 eggs to a pullet,
big eggs too. A fine lot of Collie
pups. Box. 75.

W. W. KULP, Pottstown, Pa.





BRED WHITE STAY WHITE
J. LAKE HACKNEY
 Box 453, KNOXVILLE, TENN.
White Plymouth Rocks
EXCLUSIVELY.

At Columbia and Knoxville shows won 26 regular and special premiums, winning all the first at great Knoxville show.

SEND FOR CIRCULAR

Barred Plymouth Rocks

BRED IN THE PURPLE

The foundation stock is the best that scientific mating could produce or money buy. At great Nashville Show, Jan. 1-8, 1906, won 1st Cockerel, 1st Hen and 3rd Pullet, class of 300.

HARRY CLUB STRAIN

J. T. DAVIS, = Lewisburg, Tenn.

WHITE WYANDOTTES

(PURITY STRAIN)

Again prove their superiority by winning at Raleigh, N. C., Columbia, S. C., Charleston, S. C., in hottest competition, 3 Firsts, 1 Second, 1 Third, 1 Fourth, and 3 Special Ribbons.

Eggs from pens scoring 94½, 93¾, 93¾, 92¾, 92¾, with 1st Hen Columbia (Com.), \$3.00. From other choice pens, \$2.00.

YATES BROTHERS, - - Greenville, S. C.

Rose Comb Brown Leghorns

There are no better layers. Lay twice as many and as large eggs as Rocks, to the amount of food required. High scoring stock, Kulp strain, and eggs now at reasonable prices. I breed this kind only.

C. W. HICKS, Madisonville, Tenn.

THE FUN'S ALL OVER—We must now "Get busy"

My Black Minorcas prove their superiority over the entire South by meeting and defeating every breeder of Black Minorcas in the South; by taking every first, second and third "except two," with a score of 94 to 95½. I have sold every bird I can spare. Don't write me for prices on stock. I have mated only one pen of 10 females, not a bird in this pen scoring less than 93½. Eggs \$2.00 for 13 straight. **H. B. LANSDEN, Black Minorca Specialist, Guntersville, Ala.**

Hill Crest White Wyandottes—200 Egg-Laying Strain

Exhibition and Breeding Stock. Eggs and Stock for sale. Book your orders NOW.

C. B. THORNTON, - - Nashville, Tennessee

Single Comb Buff Orpingtons

—BRED TO WIN—

Winnings at Birmingham, December, 1905: 1st Cockerel, 1st and 2nd Hen, 1st Pen, 3rd Pullet. Some good stock for sale. Eggs in season, 1st pen, \$2.50, for setting; 2nd pen, \$1.50; 3rd pen, \$1.00. Pen No. 1 headed by 1st prize Cockerel, Birmingham, 1905. Pen No. 2 headed by 1st prize Cockerel, Birmingham, 1904. Orders booked now for eggs. Satisfaction guaranteed.

C. W. HALL, = Brookwood, Ala.

The Most Profitable Hen.

To keep the hens in laying condition is the aim of every poultry raiser, particularly during the winter months when a full egg basket means so much. There are people sufficiently versed in henology to make the biddies lay during cold weather when eggs are high. There is little profit in keeping hens unless a part of the eggs can be produced in winter and winter prices received. Some remark: "Oh! I am not particular about getting eggs in winter. The hens will do all the better in the spring by not laying now." If we assume that the heavy layer's eggs are unfertile because of heavy laying, we are just as far from the truth as the statement that the poor layer's eggs are unfertile because of the few eggs laid. The hen that lays eggs that are worth from twenty-five to thirty-five cents per dozen is the hen to breed from rather than the hen that lays eggs that are worth only twelve or fifteen cents per dozen. One could not expect a hen not bred from a heavy laying strain to lay well nor expect the common cow to yield the same amount of butter fat as the pure-bred Jersey. The strain must be back of the flock. It is possible by selection, careful breeding and scientific feeding to double the number of eggs which the hen will lay.

Give the hen the right treatment and she will repay every kindness if she is the right kind. Feed for eggs. If she does not respond to the music sell her and get the right kind. The state agricultural stations in many states have conducted experiments and have proved that it is possible to make each hen pay a profit of \$1.50 to \$2.00 per year. There are a number of egg farms that make more than this, because they can raise their own feed on a few acres of ground. No other problem in our poultry experience has been so difficult of solving as how to feed, what to feed and what not to feed. There are two things necessary to produce layers of quantities of eggs. First, proper food and care; second, a strong constitution, one which will enable the fowls to digest and assimilate a large amount of food.

The moulting season of the hen is about as good an indication of her vigorous constitution as can be found. If she moults in a short time and scarcely stops laying at all she is worthy of being selected as the mother of a great nation, and can be safely bred from. If she takes a long time to moult and is "off her feed" she is weak, and the sooner you get rid of her the better. Breed from her and your stock will soon "run out." In feeding for egg production a valuable lesson may be learned from nature. If we notice fowls that receive the least care and attention laying most of their eggs in the spring time note the conditions surrounding the fowls: the weather is warm they have plenty of green food, more or less grain, insects, plenty of exercise and fresh air. If we feed for egg production we will endeavor to make it springtime all the year 'round. Provide a warm place; not warm by artificial heat, but as warm as possible. Give the poultry the proper proportion of green food, such as vegetables, grain and meat (milk in various forms will take the place of meat), grit, fresh air and plenty of exercise. A great many make a mistake in feeding too much corn. Get a chemical analysis of the egg and various foods; study them

with an eye to the demands of your flock and cost. Then judgment is a good thing to mix the food with.

Chickens should be made to work for every grain they get. To make them do this throw it into a deep litter. Chickens, like people, do not thrive on a perpetual diet of the same kind of food year in and year out. If those who fail to get eggs will try the above plan they will be amply paid for their trouble and there will be no need of asking: "Why don't my hens lay?" I can not say that I have solved the problem to my satisfaction, but I have received a good supply of eggs all winter.—*Rural World*.

Pure Bred Poultry.

The man or woman who wishes to keep some handsome fowls that may perhaps produce a chicken or two fit for show, has a large number of pure breeds to select from; and the farmer or the grower of fowls on a large scale, by keeping two or three distinct breeds can have both white and brown eggs as well as excellent table chickens.

What the poultry world really needs is a larger class of poultry breeders. The utility man need not entirely confine himself to raising table eggs and meat. It is perfectly legitimate for him to sell eggs for hatching and birds for breeders from his utility stock. He who can produce large egg records or superior market breeders will very often be lacking in high scores in his flocks, but they will have a more worthy record than that which a poultry judge can give. But if one can have all the utility qualities and high scores besides, the flock is more valuable.

In speaking of mongrels, one ought not to have room on the place, even if it is a 1,000-acre farm, for a single specimen. If you have them, get rid of them at any price, and select one good, pure variety and do the best you can by it. If you have pure breeds work with them and improve them in every possible way—you will have something you are proud of and you will never go back to common stock. When one once gets educated to the idea of pure-bred stock the mongrels will never satisfy one any more.

Nearly every one likes pretty animals or birds, we like to produce something better than our neighbors. Get a pen of as good specimens as your pocket will allow and get a standard of perfection. Take several good poultry journals and study your breed. Raise as good birds as you can, by feeding them well and giving them good care. When the show season comes around, pick out your best birds and take them to the show. If you do not win, keep on trying—you will get there after awhile.

There is a great pleasure in raising pure-bred stock of any kind, and not only a pleasure but a profit as well.

Take my advice, brother and sister poultry raisers. Dispose of your mongrels and get you some pure breeds, and be sure and get good ones.—*Credit Lost*.

The most attractive catalog that has been gotten out by any of our Southern breeders is that of the Norton Poultry Farm, Dallas, Texas. It is their tenth annual and is well printed on good paper and has handsome half-tone illustrations of the buildings and of some of the prize winning birds that fill the yards of this progressive company.

A PULLER FOR 50,000 SUBSCRIBERS

THE INDUSTRIOUS HEN is determined to have 50,000 subscribers, and to induce you to become one of that number we will give to every new subscriber, and to all renewals

ABSOLUTELY FREE THE AMERICAN FARMER

Published monthly at Indianapolis, Ind. The *American Farmer* contains from 36 to 48 pages of the most practical matter to be had on all subjects pertaining to the farm. A poem each month by Solon Goode is an attraction. The paper is well printed and gotten up in excellent style.

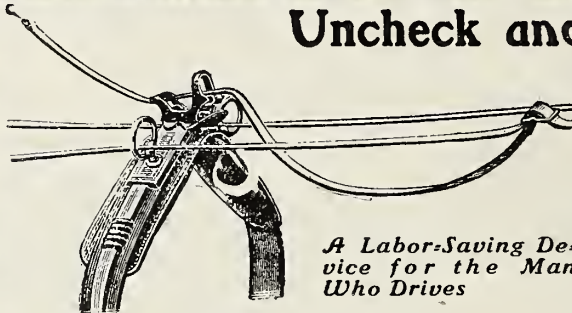
Send us fifty cents for a year's subscription to THE INDUSTRIOUS HEN, the South's leading poultry paper, and receive the *American Farmer* as a free gift for one whole year. Only 500 to give away.

See free Coupon on page 39.

Address all orders to

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

Uncheck and Recheck



Your horse without alighting from your carriage

Simple, Practical and Useful

Works . . . Automatically

A Labor-Saving Device for the Man Who Drives

The Self-Acting Check Rein saves time and avoids inconvenience, and obviates trouble. Easy to place on harness and never gets out of order. Covered by United States patents.

Japanned Finish, \$1.50; Nickel Plate, \$2.00; By Mail Postpaid

SELF-ACTING CHECK REIN CO., - Knoxville, Tenn.
212½ W. CLINCH AVE.

ARE YOU LOOKING

for prize winners in S. C. Rhode Island Reds, Barred, Buff and White Plymouth Rocks, Light Brahmas, White Minorcas, and S. C. White Leghorns, then order your Eggs for hatching from the

OAK GROVE POULTRY FARM,

Mrs. CLARA MEYER, Propr.

NORFOLK, VA., R. R. 2.

Price for setting of 15: 1st pen \$5.00, 2d pen \$3.00, 3rd pen \$2.00. Incubator eggs \$10.00 per 100.

200-EGG INCUBATOR \$12.80

This perfect 200-egg Wooden Hen at \$12.80 is a startling trade innovation. It will do the work of the most costly hatcher, and always keeps in order. Hatches every fertile egg. Catalogue with fourteen colored views sent free.

GEO. H. STAHL, Quincy, Ill.



Rhode Island Reds

Reduced prices on eggs from CHICAGO, NASHVILLE and ATLANTA winners

FRANK LANGFORD

R. R. 10 Nashville, Tenn.

DO YOU NEED

Rubber Stamps?

THEN SEND YOUR ORDER TO

The Knoxville Stamp Co.

617 Gay Street

Knoxville, Tenn.

Mottled Anconas...

GREATEST egg producers in the world. Eggs \$2 per 15. PARTRIDGE COCHIN. Fine for eggs; great for table, \$1 for 15.

WINCHESTER POULTRY YARDS
J. H. Latture, Prop. Winchester, Tenn.

Golden Wyandottes

EXCLUSIVELY

Eggs for sale from this GRAND STRAIN OF WINTER LAYERS at \$1.00 per setting of 15; \$1.75 per 30. Satisfaction Guaranteed.

No stock for sale.

MISS KATIE THOMPSON, Neverlet, Va.

Ask Your Dealer for



They Cost No More
They Are the Best
They Are Guaranteed

Hoffman's Great Trio

- 1 Bushel Hoffman's Chicken Charcoal
- 1 Package Hoffman's O. K. Egg Producer
- 1 Package Hoffman's Sore Head Cure

We will send you all above for only One Dollar, charges prepaid to your station. If we have to send C.O.D. we will not pay charges. We have authorized your dealer to accept this offer, so you can send to him if you desire. Send for June Catalogue.

We Sell Everything for the Poultryman
Build Complete Poultry Plants on Easy Terms

Home Office

**HOFFMAN
POULTRY
and SUPPLY
COMPANY**

Waverly, Ala.

P. O. Box 4

BRIEF MENTION.

Tennessee State Fair, October 8 to 13.

* * *

Geo. W. Osterhout, formerly of David City, Neb., but now of Bedford City, Va., has an attractive booklet about his Brown Leghorns that he will send to any one interested in that popular breed.

* * *

John W. Boswell, Jr., the famous White Wvandotte specialist, has moved to his farm and will be in better shape than ever to take care of his multitude of customers. His address is 346 Public Square, Nashville, Tenn.

* * *

A new poultry association has been organized at Atlanta and is called the Piedmont Poultry Association, Alf. Bertling, President; F. L. Mixon, Secretary. They will hold their first show January 23-29, 1907. F. J. Marshall, judge.

* * *

The Knoxville boys have secured the services of F. J. Marshall, Atlanta, Ga., and Chas. McClave, New London, Ohio, as the judges for their show which comes off December 11-14, 1906. The show is destined to be the greatest ever held, certainly in East Tennessee if not in the South.

* * *

In a brief letter Dr. F. S. Bullington, the White Minorca and White Orpington breeder of Richmond, Va., says: "THE INDUSTRIOUS HEN has sent me a good number of inquiries, and I am making almost daily shipments all over the country and to Canada." The doctor has recently issued a neat and meaty little circular as to his fowls and he will take pleasure in mailing it to you. Address him at Richmond and be sure you say you saw his ad. in THE HEN.

* * *

The great reduction sale on the part of "Jones, the Wyandotte man," Paducah, Ky., should prove very attractive to our buyers. "Jones" has the stock that always wins its share of the ribbons wherever shown and it is not often our readers have such an opportunity to get the best in the land at such little cost. "Jones" is ready to serve you and serve you right. If you are interested in pure bred stock you will do well not to let this opportunity slip, you may not have another like it. Write him for particulars and prices.

* * *

The only real poultry supply house that we have seen a catalog from and that is located in Tennessee is that of R. L. Cannon & Co., of Bristol, Tenn. Mr. Cannon is a wide-awake and hustling member of the poultry fraternity and he realized what the poultrymen need and so he has supplied himself with everything that you can possibly desire from a portable poultry house down to a marker. The catalog will prove of interest. It is well gotten up and covers 80 pages and you can find anything you may need listed there and by sending to the firm you will save in freight on what you may order.

If knowledge is necessary, how is the farmer to acquire it without searching? Will it come to him of its own volition so that he will take it in by absorption or will he trust to the slow and expensive process of experience?

PHOTOGRAPHS OF YOUR BIRDS

for the purpose of having

1/2-tone Cuts

made should be sent direct to

THE INDUSTRIOUS HEN CO.,

KNOXVILLE, TENN.

The Best Cuts—The Least Money

THE OPEN DOOR

Official Organ of the Tennessee W. C. T. U. Should be in every family of the South. May save husband, father, brother or son from a drunkard's grave. Printed monthly for 25c a year.

MRS. M. C. BAKER, Editor

R. D. No. 6, KNOXVILLE, TENN.

BUFF ROCKS

Eggs from strictly choice matings \$1 per 15.

Eggs from good matings \$3 per 15. Some of my breeders for sale cheap.

B. E. JOHNSON, Kirkwood, Mo.

MUSIC LOVERS!

BIG MAGAZINE 1 YEAR FOR 10 CENTS! SEND us 10 cents in silver or stamps, together with the names of 10 persons who get mail at your postoffice who are interested in music, and we will send you our handsome magazine one year. We receive hundreds of subscriptions daily from persons who think our Magazine a bigger bargain than Harper's, Munsey's, Ladies' Home Journal or McClure's. This is a special offer for a short time only, so send at once. Our subscription price may advance to \$1.00 per year soon. Address, Burgess Publishing Co., Dept. SH, Grand Rapids, Mich. 28

Paint Without Oil

Remarkable Discovery that Cuts Down the Cost of Paint 75 Per Cent.

A Free Trial Package and a Big Book Telling All About Paints and Paint-Making are Mailed Free to Everybody Who Writes.

A. L. Rice, a prominent manufacturer of Adams, N. Y., has discovered a process of making a new kind of paint without the use of oil. He calls it Powderpaint. It comes to you a dry powder and all that is required is cold water to make a paint weatherproof, fireproof and as durable as oil paint. It adheres to any surface, wood, stone or brick, it spreads and looks like oil paint and yet only costs one-fourth as much. For many purposes it is much better than oil paint and is indispensable to every property owner.

Write to Mr. A. L. Rice, 561 North St., Adams, N. Y., and he will send you a free trial of his new discovery, together with color cards and his valuable book on Painting, all free. This book lets you into all the secrets of paint-making, exposes fake paints, tells you what kind of paint to use for different purposes and shows you how you can save and make a good many dollars. Write today and the book and free trial of Paint will be sent you by return mail.

Advertise in THE INDUSTRIOUS HEN.

Headquarters for
Poultrymen

HOTEL IMPERIAL

Knoxville's Most Modern
and Up-to-Date Hotel

LONG DISTANCE PHONES
IN EVERY ROOM

Rates \$2.50 and up. Rooms
with Bath, \$3.50 and
\$4.00 per day

AMERICAN PLAN

Do you want

Your Chicks to grow?
Your Hens to lay?
Your Business to pay?

Do you want

An Incubator to hatch
healthy chicks?
A Brooder to make 'em
grow?

Then talk to me

Headquarters for everything in
poultry supplies, poultry foods,
poultry books and publications.

JNO. A. MURKIN, JR.,

P. O. Box 6, NASHVILLE, TENN.
CIRCULARS FREE

MURPHY'S

S. C. WHITE LEGHORNS

Win in the Hottest Company.

Birds Bred Right. Expertly Mated.

Eggs \$2.00 per Setting.
ORDERS BOOKED NOW

F. E. MURPHY, Huntsville, Ala.

BUFF WYANDOTTES

Eight first premiums at Charleston and Atlanta.

TRIOS \$5.00

MARION FARM, Dept. H,
SMYRNA, GEORGIA

A Fable From Florida.

A duck who had faithfully stuck to business during the summer and laid several dozen large fawn-colored eggs complained that she was not appreciated. "See that hen over there?" said the duck; "she has not laid so many eggs as I have, nor so big, but she has books written about her and verses composed in her honor, while nobody says a word about me." "The trouble with you is," said a wise buff Leghorn cock, that was standing near, "that you do not tell the public what you have done. You lay an egg and waddle off without letting anybody in the neighborhood know it. If you want to cut any ice in this community you must learn to advertise."—*Miami (Fla.) Record.*

Gray Hair Changed.

Mrs. F. M. Ellison, of Anthony, Fla., writes: "I have used one bottle of the 20th Century Hair Tonic; it has changed my gray hair to its natural color, black. I recommend it to every one who uses hair tonics."

For sale by all Druggists.

IMPORTANT LETTER.

Great Success from Feeding Purina Baby Chick Feed.

Poultry raisers everywhere, both experienced and beginners, will be interested in this letter: "Quincy, Ill., April 9th, 1906.

Ralston Purina Mills, St. Louis, Mo. Gentlemen: It gives me pleasure to report highly successful results from Purina Baby Chick Feed, which we have used this spring. We have a flock of chicks of extra good quality that we are anxious to bring through, and your Baby Chick Feed has done the work.

Yours very truly,
F. PIGGOTT."

If you have never tried Purina Baby Chick Feed, write the makers today for full particulars. Address, Ralston Purina Co., Dept. 26, St. Louis, Mo., and mention this paper.



LITTLE GEM HATCHERIES

Cost only 30c each, and over 60,000 successful poultry raisers now use them. This girl hatched 178 chicks in them last year and raised 178. Catalog free. F. Grundy, Poul. Expert, Morrisonville, Ill.

\$500 REWARD

Has been offered for Twenty Years for a case of rheumatism which could not be cured with DR. DRUMMOND'S RHEUMATIC REMEDIES. They drive the disease from the blood, and restore stiff joints, drawn cords, and hardened muscles. If your druggist does not stock these remedies, write us about your case. DRUMMOND MEDICINE CO., 84 Nassau St., New York. 26

Special Sale

I have decided to sell all my Buff Wyandottes, consisting of about fifty hens and cocks. These are all of the very best breeding and exhibition birds, in fact, none better in America.

Also 300 youngsters, from six weeks to six months of age. These birds will be sold in lots to suit, at a sacrifice.

Write, stating number and kind you want and price will be made.

Reason for selling, want to breed only White Wyandottes of which I have the BEST.

Sunny Brook Farm

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MONEY back if my White Indian Games fail to please you. Large, hardy, all-purpose birds; 15 eggs \$2.00. M. E. Kennedy, Temple, Ga., Route 3. tf

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REV. J. M. JORDAN, proprietor of Cane Creek Poultry Yards, Single Comb Brown Leghorns, Bidwell, Tenn. In looks, laying and fecundity my flocks satisfy me, and patrons and customers shall continue satisfied. Eggs \$1.50 for 15. 25

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SINGLE Comb White Leghorns, Wyckoff strain direct. Bred to lay. None better. Eggs \$1.50 for 15, \$2.50 for 30. W. H. Fulenwider, Asheville, N. C. tf

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BRUSH CREEK Minorca Yards—Five grand pens, Santee & Andrus strain, Single Comb Black Minorcas, some of them direct from Madison Square Garden first prize winners. These birds are large and vigorous and will score 90 to 95 points. Eggs \$2.00 per 15. Fair hatch guaranteed or order will be duplicated at one-half price. Order your eggs direct from this ad. I give as my reference, Unaka National Bank. J. R. C. Lewis, Johnson City, Tenn. 25

ROSE COMB Black Minorcas—Northup strain. Eggs \$2.00 per 13. Book your order early. Satisfaction guaranteed. Albert Fletcher, Jr., Warrenton, Virginia. 31

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BARRED PLYMOUTH ROCKS—Brown Leghorns—The two leading breeds. Pure blood stock for sale. Eggs 15 for \$1.50. Order now. E. C. Fewell, Duhlin, Texas. 39

I SHIPPED from 50 hens in March and April 1775 eggs. My B. P. Rocks are Hawkins strain. Eggs 75c for 15, \$1.25 for 30. Mrs. Dora J. Coward, Morganfield, Ky. 26

BARRED Plymouth Rocks (Thompson strain), eggs \$1.50 for 15. Safe arrival guaranteed. White Wyandottes. (Duston strain direct), eggs \$1.50 per setting of 15. R. L. Laverty, Talladega, Ala. 25

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OUR Summer price for eggs that hatch, from our famous "Blue Ringlet" Barred Rocks, thirteen for 75 cents. The prettiest and most profitable hens you can raise. Your money back if not satisfactory. Star Poultry Yards, 321 Stockton St., Manchester, Va. 25

NOTICE In order to more thoroughly introduce myself as a breeder of Barred Plymouth Rocks, will sell eggs for hatching assorted from all four of my pens at 75c per 15, not over two settings to any one order. Good until October 1st, 1906. After July 1st will have 20 breeding hens at \$1.00 and two cocks at \$3.00 and \$5.00 each. After September 1st will have 300 youngsters for sale, and can please you for breeding stock or show birds. Give me a chance. C. H. Dozier, Marion, Ala. 28

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In carrying out the operation of an act of congress, the secretary of agriculture has collected 250 samples of Kentucky blue grass seed and 265 samples of orchard grass seed. These were obtained upon the local markets, and having been carefully examined, show much adulteration. There are imported into the United States each year from 600,000 to 700,000 pounds of Canada blue grass seed. As very little of this grass is planted in this country under that name, it is evident that the bulk of the seed thus imported is sold as Kentucky blue grass. Farmers should be on their guard regarding these matters and send samples of any suspicious seed to the department of agriculture at Washington for examination.

Have You Scaly Legs?

Look over your flock and if you find any scaly legs, get at them and clean them up. Wash them good with soap-suds and then anoint them with a mixture of coal oil and grease; let the anointing be done with a tooth-brush. Scaly legs are most unsightly, smell bad, and they are catching. A hen that has scaly legs, if she be allowed to raise a brood, will give it to every one of the chicks.

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is a pure conditioner which aids digestion, increases the egg product and is invaluable to feed any time when eggs are desired. It can be fed at a trifling cost, but brings rich returns for the extra expense. An actual test will prove it. Trial sample 10c with booklet—write today.

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Some very fine Barred and White Cockerels for sale at half price if taken at once.

Eggs from best pens Barred and White Rocks \$2.50 for 15. All other eggs \$1.50

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Barred Rocks, 1st and 3rd Pullet and special for best Pullet in show.

White Rocks, 1st and 3rd Cockerels, 2nd and 3rd Pullet, 2nd Hen and 2nd pen.

Also 3rd Hen at Nashville, Tenn.

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1st, 2nd, 3rd and 4th Cockerel; 1st, 2nd, 3rd and 5th Pullet; 1st, 3rd and 4th Hen; 3rd Cock; 1st and 2nd pen. Also five specials.

One pen scored 189%. No Barred Rocks shown.

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BROWN LEGHORNS

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EXCLUSIVELY

Bred to lay by careful selection and mating. Eggs, balance of season, \$1.00 for 15. After June 1st will sell our entire lot of 1906 breeders at a great bargain. Fox Terrier pups of the finest breeding. Males \$5.00; females \$3.00. JULIAN L. SHIPP, Highland Park, Tenn.

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Barred Plymouth Rocks and Standard-Bred Trotting Horses. Stock for sale. Eggs from prize-winning strain, \$1.50 for 15 eggs.

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(EXCLUSIVELY)

I have hatched off as many chicks as I can well take care of, and will sell eggs the balance of the season at \$2.00 per setting. Now is your chance to get some good eggs for little money. A fine lot of youngsters coming on and getting ready for the Fall shows and will as usual take their share of the ribbons as they have always done.

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Single Comb Buff Orpington Cockerel and 125 descendants of the \$150 First Boston Cock. Blue Ribbons Cincinnati, Louisville, Nashville, World's Fair. Nine of fifteen ribbons at Nashville; seven of ten, Louisville. Also S. C. White and Brown Leghorns. Circulars.

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Read what Mr. Orr, sec.-treas. of the American Poultry Association, says of his experience with Prairie State Universal Hovers. The Universal Hover has completely revolutionized the rearing of chicks. No device offered to the poultry raisers has ever received such an overwhelming endorsement. From the coldest parts of Canada and the Northwest to the warmest parts of the South have come flattering reports of the successful rearing of little chicks, under the most adverse conditions. When used in a portable Colony House chicks can be reared with this brooder out of season, during the hot dry months of June, July and August, when they cannot be reared with hens. There is practically no limit to its adaptability either to cold or heat. With a new Prairie State Brooder, it is now possible to raise every healthy chick. Send for our latest descriptive catalog of these brooders and get further information in regard to our open bottom Prairie State Incubators.

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BEAVER HILL FARM
The Home of Prize Winning Wyandottes
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Prairie State Incubator Co.

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Buy your eggs from trap-nested layers, pens averaging 190 eggs.

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BARRED and WHITE PLYMOUTH ROCKS and WHITE WYANDOTTES

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S. C. WHITE LEGHORNS, Blanchard and Wyckoff strains; Eggs from best pen \$1.50 per 15; Second, \$1 for 15. S. C. BROWN LEGHORNS. Whitman strain, \$1.00 for 15. Will spare a few settings from our 240 egg strain of S. C. Brown Leghorn, mated to produce exhibition males, at \$2.50 for 15. Satisfaction guaranteed.

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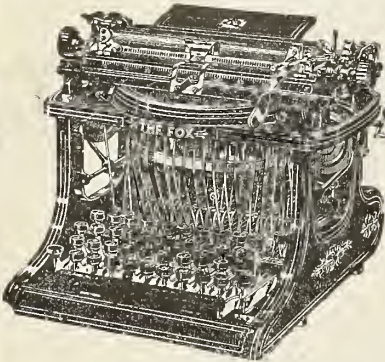
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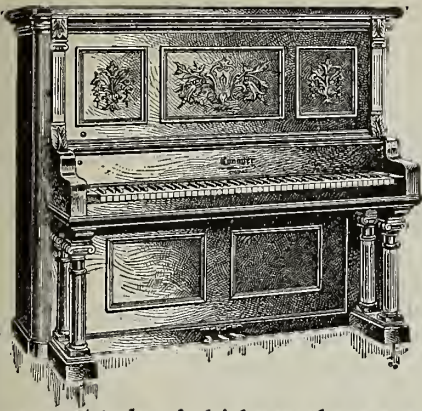
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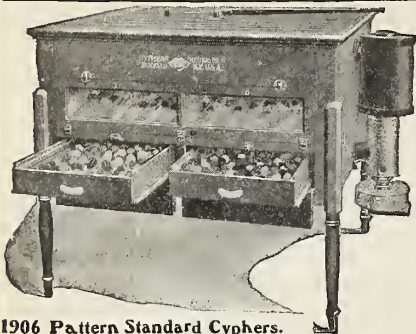
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Hatch "QUALITY" As Well As "QUANTITY." Cyphers Hatched Chicks Win At
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They won first honors at the great Hagerstown, Md., Show, Atlanta, Ga., Birmingham, Ala., Charleston, S. C., Chattanooga, Tenn., and Knoxville, Tenn. Start right. Try a setting of eggs from my heavy laying exhibition stock.

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The Standard Poultry Supplies of the World. The ONLY Original Dry Chick Feed.
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Eggs \$3.00 per 15

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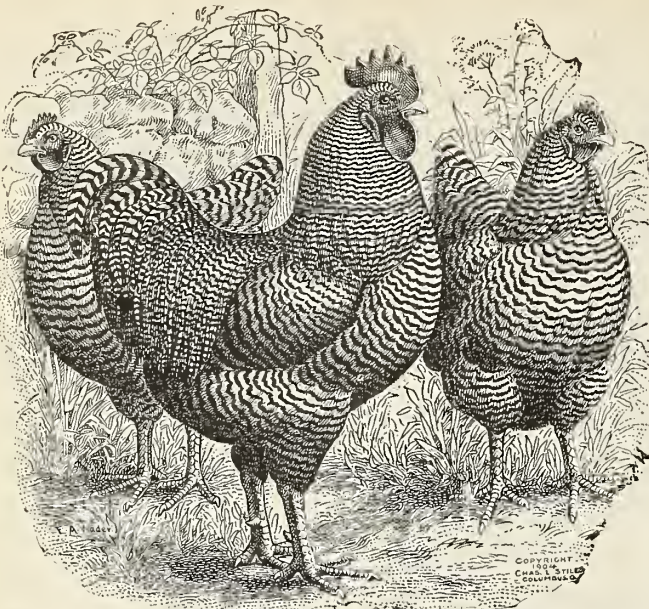
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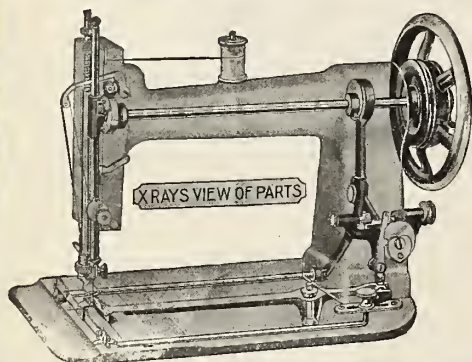
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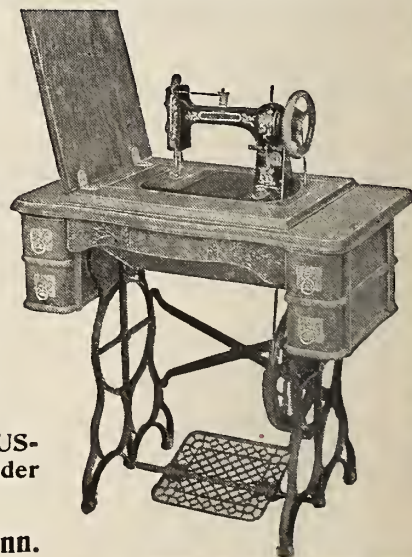


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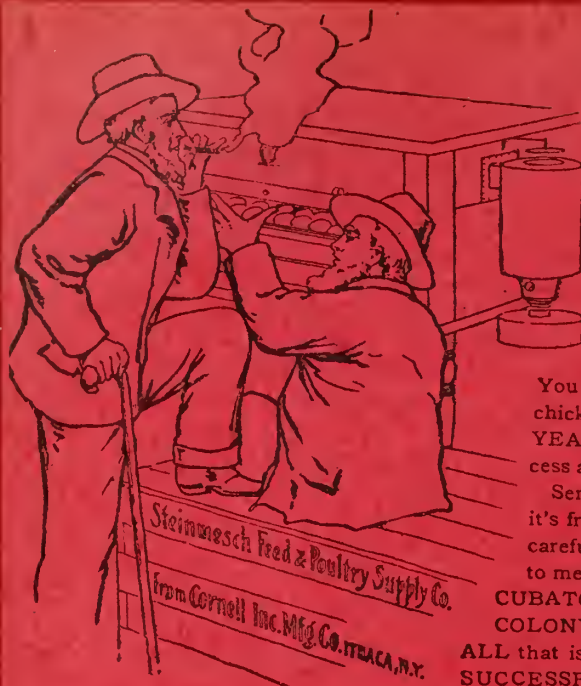
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